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Oil, Paint and Drug Reporter

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Volume 148 No. 23 — Schnell Publishing Company, Inc., Publishers — December 3, 1945

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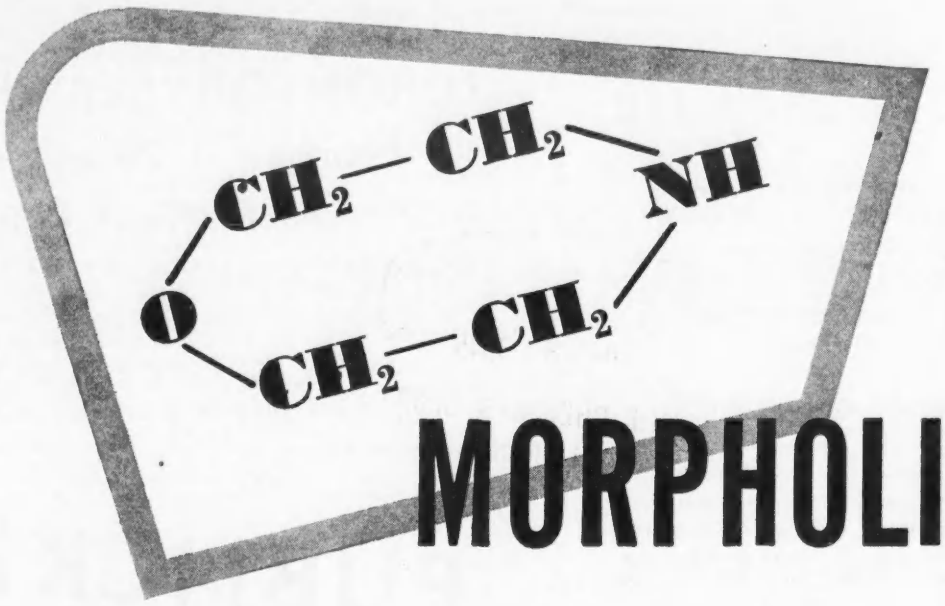

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War Powers Retention For Year Advocated

OPD Washington Bureau

John D. Small, Administrator of the Civilian Production Administration, suggested in testimony before the postwar economic planning committee of the house, November 28, the advisability of extending the life of the second war power acts for another full year, in view of the prospective continued shortage of a number of important raw materials in the chemical and other fields.

It has been proposed in Congress that the law be continued for only six months. It is also being proposed that, rather than the granting of blanket powers to war agencies to continue their wartime functions, specific authority be provided in the case of each agency, with the powers specifically defined. This argument appears to be in the minority.

Mr. Small stressed before the committee that, while there has been much discussion in the past of the possibility that CPA would be able to wind up its affairs by June 30, next, it now appears unlikely that this will be the case. Need will continue throughout the coming year, he stated, for controling such materials as tin, natural rubber, rosin, lead, and lead chemicals, among others.

Minerals Reserve Report to Be Made

OPD Washington Bureau

Legislation directing the Department of the Interior to supply Congress within six months with a complete report on the minerals situation of the United States, including estimates on current reserves of the principal minerals, was passed by the senate November 23. The measure, S. Con. Res. 22, now goes to the house for concurrent action.

Purpose of the legislation is to supply Congress with sufficient information to enable it to formulate a comprehensive program of exploitation, conservation, and development of the nation's mineral resources. In a letter to the senate endorsing such a move, Secretary Harold L. Ickes commented that the minerals situation today is serious because no one can state definitely what minerals reserves we have, or offer assurances that an adequate supply will be available ten or twenty years hence.

Rubber Consumption Put at 1,500,000 Tons

OPD Washington Bureau

The Rubber Study Group established last year by the governments of the Netherlands, United Kingdom and the United States concluded at its meetings here last week that the probable maximum consumption of rubber by the world in the next few years will approximate 1,500,000 tons annually of all types—natural and synthetic.

United States' capacity for the production of general and special purpose synthetic rubber was estimated now to be about 1,055,000 tons annual and total world capacity was estimated at 1,300,000 to 1,400,000. Actual production, if required of the natural rubber areas of the world, the group found, could rise in three to four years to an annual fixture in the neighborhood of 1,500,000 tons, thus giving a world potential capacity of natural and synthetic of 2,700,000 to 2,800,000 tons annually.

Barbiturates Use Data Asked in House Bill

Representative Edith Rogers, Mass., introduced two resolutions in the house requesting the Treasury Department to furnish congress with the information on the indiscriminate use and indiscriminate sale of barbiturates.

General Printing Ink Now Sun Chemical

The name of General Printing Ink Corporation, New York, has been changed to "Sun Chemical Corporation." This change, voted upon at a stockholders meeting November 27, was made to reflect more correctly the broadened activities of the company.

General Printing Ink Company and A. C. Horn Company now become divisions of Sun Chemical Corporation. The Horn organization, which was acquired by General Printing Ink, August 31, is a producer of paints, varnishes and allied products.

National Drug Trade Conference December 7

The National Drug Trade Conference will meet in the Mayower hotel, Washington, D. C., December 7. The program of the meeting follows:—

Importance of maintaining pharmaceutical educational requirements. Recent action taken by Civil Service Commission. Report to be presented by Dr. R. P. Fischelis.

Importance of maintaining registration standards in States. Report to be presented by Mr. P. H. Costello.

Purposes and objectives of the American Foundation for Pharmaceutical Education as defined by National Drug Trade Conference when foundation was authorized and created. Progress report on development of the foundation's program and its future policies. Report to be presented by Dr. E. L. Newcomb.

Legislative and other proposals for revision of patents system. Comment to be presented by James F. Hoge.

Proposed cooperation with U. S. Bureau of Census in the preparation of statistical forms with a view to enhancing the value of the final results of census studies to all concerned. Report to be presented by Dr. E. L. Newcomb.

Cooperative action on legislative matters that affect the drug industry as a whole. Subject to be presented by P. H. Costello.

Discussion of proposal for a new survey similar to the St. Louis Drug Survey.

Compulsory military training legislation—exemptions for scientific and professional workers.

Distribution research program.

Stimulation of more intensive graduate work in Colleges of Pharmacy to meet rising demand of industry and educational institutions.

District of Columbia Fair Trade Bill.

Mineral Industries Annual Survey Asked

OPD Washington Bureau

Representative A. Leonard Allen, of Louisiana, has introduced a bill (H.R. 4781) in the house authorizing the Bureau of Census to take a census of manufactures, of mineral industries, and of business or distribution, including the distributive trades and service establishments, in 1947 and every five years thereafter.

Provision is also made in the bill for the bureau to make annual surveys and studies on these subjects and also on the location and characteristics of population.

Fair Trade Law For D.C. Favored

The fair trades act for the District of Columbia (S. 1417), modeled on laws already in effect in forty-five States, met no opposition in a hearing this week before a senate district subcommittee, headed by Senator Olin Johnson, of South Carolina.

The bill would enable manufacturers to enter into resale price agreements with their distributors in the District. John Donaldson, head of the District Pharmaceutical Association, appeared as principal spokesman for the bill.

Economic Poisons Legislation Follows Federal Drug Pattern

OPD Washington Bureau

Introduction of a comprehensive economic poisons control bill that would replace the insecticide act of 1910 and greatly strengthen the government's hand to control distribution of insecticides, fungicides, and rodenticides was revealed November 29 by Representative John W. Flannagan of Virginia.

The bill (H. R. 4851) is the culmination of nearly a year of consultation work by the Department of Agriculture with members of the insecticide industry in seeking to place tighter controls over poisons and devices. It will be made the subject of hearings before the house committee on agriculture sometime shortly after the first of the year.

Mr. Flannagin said that the bill does not purport to be the final word on the subject, and the committee will welcome any suggestions from industry for improving the measure.

The bill would prohibit the manufacture or sale of any adulterated or misbranded economic poison or any misbranded device. The term, "economic poison," is defined to mean any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects, rodents, fungi, and other forms of plant or animal life or viruses which the Secretary of Agriculture declares to be a pest, or intended for such use after mixing with a diluent or carrier.

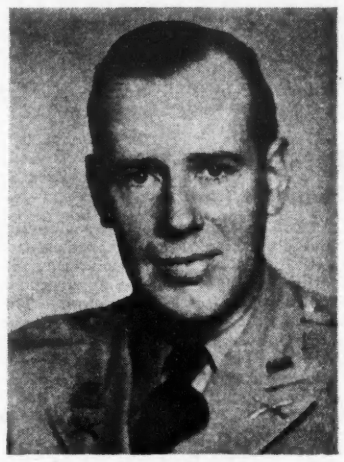
Violations Defined

The term, "misbranded," would apply to any economic poison (a) if it be an imitation or offered for sale under the name of another economic poison; (b) if its labeling bears any reference to registration under the act; (c) if the labeling accompanying it does not contain instructions for use which in the judgment of the secretary are necessary and adequate for the protection of the public; (d) if the label does not contain a warning or caution statement which in the judgment of the secretary may be necessary and adequate to prevent injury to living man and other vertebrate animals, vegetation, and useful invertebrate animals; (e) if the label does not bear an ingredient statement plainly and correctly on the principal panel of the immediate container and on the outside container, if there be one, of the retail package (the ingredient statement would not be required in cases where the poison consists of active ingredients); (f) if any word, statement, or other information required by or under authority of the act to appear on the label or labeling is not prominently placed thereon with such conspicuousness and in such terms as to render it likely to be read and understood by the ordinary

—Continued on page 74

Packaging Exposition on International Scale Seen

Plans for an international packaging exposition, to be held early in 1947 in connection with "National Packaging Week," were launched at the seventh annual meeting of the Packaging Institute held in the Hotel Commodore, November 27.



Albin Dearing

Maj. Albin Dearing was named executive director. Before entering the army Major Dearing was associated with the Hercules Powder Company. W. D. Lynch, vice-president of National Folding Box Company, was elected president of the institute.

Walton D. Lynch, president of the institute, stated that the exposition showed promise of being the first international merchandising exposition to be held since the close of the war.

—Continued on page 71

Streptomycin Standards Submitted to Army

OPD Washington Bureau

Tentative standards drawn up by the Food and Drug Administration covering streptomycin were completed and forwarded this week to the Surgeon-General of the Army for approval. Copies of the standards were not available immediately, but will be available for publication next week.

The standards were prepared by FDA at the request of the War Department. As in the case of penicillin, FDA has been certifying all shipments of streptomycin to the military.

FDA has made several corrective changes in section 141.1 of its regulation for tests and methods of assay for antibiotic drugs.

A.P.M.A. Midyear Meeting Dec. 10 and 11

The midyear meeting of the American Pharmaceutical Manufacturers' Association will be held in the Waldorf-Astoria hotel, December 10 and 11. The meeting is divided into five parts, as follows:—

Industry scientific session, in the morning, December 10; scientific award ceremony, in the afternoon, December 10; executive session, in the evening, December 10; public affairs session, in the morning, December 11; industry business session, in the afternoon, December 11.

Narcotic Drugs Import Control Tightening Asked

OPD Washington Bureau

A bill (H.R. 4795) to tighten import controls to prevent the smuggling of opium and other narcotic drugs into the United States was introduced in the house November 27 by Representative Wilbur D. Mills of Arkansas.

It provides that all shipments to the United States or any insular possession from any country where opium or other narcotic drugs are permitted to be sold to consumers for non-medical purposes, hereafter must be marked in conspicuous and large letters with the name of such country.

International Health Organization Asked

OPD Washington Bureau

The senate Labor Committee has recommended that the United States take the lead in formation of an international health organization. The committee has approved a resolution asking for prompt action on a world conference to plan the health organization outlined by the United Nations Conference, San Francisco.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Nov. 29, 1945	Nov. 21, 1945	Dec. 1, 1944
134.4	134.0	132.6

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

There was further spreading of uptending price views in the markets for chemicals, oils, and drugs last week. Glycerin and alcohol were involved. Quicksilver and menthol were again affected. Inclusion of the ethylamines added a new aspect also to the down side. The net result was another gain in the general average.

Increasing interest was noticeable in several directions, but most of it had a next year's tag on it. Official reports of elevated employment levels were not as a rule confirmed in the talk about conditions in the chemical and adjacent fields. The reports did, however, indicate that productive activities were increasing—in some lines.

Late Markets

Drugs, Fine Chemicals

Chicago, Nov. 29.—Castor oil is still in good call, with material not too plentiful, but in sufficient supply to take care of current moderately active call. Prices are:—Cold pressed U.S.P., 13¾c. per pound, returnable drums, carlots; 14½c., drums, less than carlots; 13c., tanks; No. 3, extracted, 13½c. per pound, drums, carlots; 14¼c., drums, less than carlots; 12¾c., tanks.

Chicago, Nov. 29.—Indications are that the glycerin market is strong and fairly active. Material is in moderately good supply. Buyer interest is evident. Prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17¼c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcar; 18¼c., drums, car lots; 18¾c., drums, less than carlots; high gravity, 17½c. per pound, tankcar; 17c., drums, carlots; 17½c., drums, less than carlots.

San Francisco, Nov. 28.—Short supplies limited trading in the quicksilver market here this week. Spot metal was exceedingly scarce. All stocks are low. Metal was quoted between $105 and $108 per flask, f.o.b. San Francisco.

San Francisco, Nov. 28.—Because of few offerings this market remained fairly quiet this week. Mexican imports are off.

Botanicals Short on Coast

Los Angeles, Nov. 28.—Trading in botanical drugs and spices was quiet, but steady here this week. Practically all supplies remained short. No price changes were reported. Market tone firm. Prices are:—

Marjoram, French type, 35c. per pound in dried form; sage, Dalmatian type, 40c. per pound for lots said to contain less than 12 percent stems with the understanding that if the sage exceeds 12 percent stems the buyer will be credited with the difference. Sage guaranteed to contain less than 12 percent stems, 65c. per pound. Leucophylla 32c. per pound; savory, French type, 75c. per pound; sweet basil, 90c. per pound for lots containing less than 12 percent stems; thyme, French type, 90c. per pound in dried and clean form.

Domestic Flaxseed Arrivals

Arrivals of flaxseed totaled 179,000 bushels from the Northwest shipped by rail to New York for the week ended Friday, November 30.

Sulphur Production

September production of native sulphur was 341,060 long tons, compared with 346,349 tons in August. Stocks at the end of September were 3,682,511 tons, against 3,711,311 tons, according to the Bureau of Mines.

Merger Ban Bill Recommended to House

The Kefauver bill, H.R. 4810, amending section 7 of the Clayton act to prohibit mergers of competing corporations through purchases of physical assets, except with the approval of the Federal Trade Commission, was ordered favorably reported by the committee on the judiciary November 27, to the house for passage. The bill is a substitute for H.R. 4519 introduced a few weeks ago by Representative Estes Kefauver, of Tennessee, but differs only in a few minor details.

Hearings on the legislation were held during the Summer by the committee, at which representatives of FTC presented a number of studies it had made of mergers in the chemical, drug, and other industries, which had been consummated through the loophole in the antitrust laws. Under the Clayton act, consolidations of competing companies, which have the effect of restraining competition, are prohibited when brought about through acquisition of capital stock; courts have interpreted the law as not applying to mergers effected by purchases of assets, however.

There was no indication from the committee as to when action on the legislation would be sought on the floor of the house. Thus far there has been no indication of senate interest in the measure, although the question has been before Congress for twenty years, the amendment being recommended for legislative approval every year by FTC in its annual report.

Priorities Appeal Procedure Revised

Priorities regulation 16 was amended November 27 to give due recognition to the Civilian Production Administration and to provide for appeals from its administrative action. This extension covers appeals for reconsideration or modification of orders issuing or refusing individual authorizations, directives, preference ratings, or quotas, also the granting or denying of initial appeals from orders or regulations.

The Appeals Board of the Civilian Production Administration is established as an impartial body primarily to consider "appeals from administrative actions" in cases in which exceptional and unreasonable hardship or improper discrimination is claimed. Any person complaining of administrative action on these grounds may have an "appeal from administrative action" submitted to the appeals board for final action if he expressly requests it in writing. On the other hand, the appeals board will not normally consider any cases which do not involve these factors or which are not "appeals from administrative actions." It is not its ordinary function to review actions involving judgment as to the proper distribution of materials, programming of military or civilian production, and their relative essentiality. If the basis for the appeal is relative essentiality and not a claim of exceptional and unreasonable hardship or improper discrimination, no request for referral to the appeals board should be made.

The denial of any appeal, in whole or in part, on the recommendation of the appeals board, is final unless the board elects to reopen the matter.

CPA Tightens Inventory Ban on Certain Products

Due to tighter supply situations which have developed, the Civilian Production Administration revised, November 23, its inventory control rules through revision of tables 1 and 3 of Priorities Regulation No. 32.

Specific inventory limitations were imposed on mica, cadmium, turpentine and vegetable waxes. A forty-five day inventory limitation was imposed on hide glue stock and a thirty-day limitation on titanium pigments. At the same time borax, borac acid and phosphate rock were removed from the "inventory exempt" list and are now subject to a practicable minimum working inventory. White lead is now subject to a sixty-day inventory.

Metals, Mineral Stockpile Held on October 31

The Civilian Production Administration announces the following stockpile of strategic metals and minerals held by the Office of Metal Reserves on October 31:—

Antimony oxide, 66 short tons; antimony metal, 2,089 short tons, and ore, 8,157 short tons; beryl ore, 4,768 short tons; cadmium, 1,225,971 pounds; chromite, Russian, high-grade metallurgical, 236,297 long dry tons; other chromite, including medium and low grade, 159,875 long dry tons, and low grade chromite, domestic, 111,861 long dry tons; chromite refractory, 236,855 long tons; chromite chemicals, 51,590 long tons.

Also cobalt, 3,295,421 pounds; refined copper, 498,406 short tons; metallurgical fluorspar, 177,557 short tons; fluorspar acid, 22,007 short tons; graphite, Madagascar, flake, M. T.; fine, 1,658; M. T. graphite, Ceylon, 95 percent, 207 long tons; 90-95 percent, 54 tons; lead, primary refined, 886,242 short tons; magnesium, ingot, secondary, 2,216,562 pounds; metallurgical manganese, 939,543 long dry tons; mercury, 63,638 flasks.

Also mica, phlogopite, splittings; molybdenum, 4,746,202 pounds; nickel, 36,620,421 pounds; platinum, 55,166 troy ounces; quartz crystals, 993,019 pounds; pantalite, 420,861 pounds; pig tin, 21,163 long tons; tungsten, 22,012,743 pounds; vanadium, 1,605,568 pounds; slab zinc, grade A, 167,437 short tons; grade B, 79,884 short tons.

Also bauxite, 2,712,688 long dry tons; bismuth, 782,514 pounds; celestite, 9,210 short tons; columbium, 33,991 pounds; corundum, grain basis, 1,443 long tons; cryolite, refined equivalent, 25,512 short tons; Indian kyanite, 3,515 short tons; iridium, 3,147 troy ounces; oxtminum, 185 troy ounces; rutile, 3,569 short tons; talc steartite, 6,541 short tons; arsenic, 4,225 short tons.

Rothschild Takes Over CWS Research Post

OPD Washington Bureau

Pending senate confirmation of the appointment of Brig.-Gen. Alden H. Waitt as chief of the Chemical Warfare Service and his elevation in rank to maj.-gen. of the regular army, Col. Jacquard H. Rothschild has been designated acting director of CWS research and development, it is announced by the War Deparement. Colonel Rothschild is also chief of the CWS technical division.

General Waitt had been appointed director of research and development November 3 upon a reorganization of the War Department along peacetime lines. At the same time, he was awarded the Distinguished Service Medal and the Legion of Merit for his work on gas warfare. His nomination as chief of CWS and advance in rank to maj.-gen. were sent to the senate for confirmation November 13 by President Truman. He is to succeed Maj.-Gen. William Nichols Porter, retired. November 14, he presented certificates of appreciation to ten leaders of the chemical industry at a luncheon in New York.

RFC Offers Surplus Chemicals, Cylinders

OPD Washington Bureau

The Office of Surplus Property of the Reconstruction Finance Corporation has the following chemicals and cylinders available for sale for which offers will be received from prospective purchasers at the respective regional offices until December 13:—

Ammonium nitrate, 9,473,500 pounds, solidified technical grade in 100-pound sacks. The material is solidified in the sacks, Nashville, Tenn., declaration No. 12139.

Crude sulphur, 1,458,365 pounds, Richmond, Va., declaration No. 233180.

Cylinders, 1,000, Type D one-ton capacity, suitable as chlorine containers with slight modification, Birmingham, Ala.

— Ethylene diamine, 35,000 pounds, 76 percent, Richmond, declaration No. 233590.

Ethylene diamine, 35,000 pounds, 76 declaration No. 233590.

Napalm thickener, 971,850 pounds, Denver, Col., declaration No. 291451.

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Bids Wanted

Brushes:—456 flat lacquering brushes; Chief, Commodity Section, Treasury Department, Procurement Division, Washington 25, D. C.; opening December 3.

Iodine:—1,350 bottles tincture iodine, Chief, Contracting and Purchase Section, Treasury Dept., Procurement Division, 30 Van Ness Ave., San Francisco 2, Calif., schedule opening December 4.

Mineral Cup Grease:—Purchasing Agent, Post Office Department, Washington 25, D. C.; invitation 1088, opening November 19.

Paints:—460 gals. interior paint, Supply Officer, Veterans Administration Hospital, Downey, Illinois; opening December 4.

Primer Rust Protection:—200 gallons, Purchasing Agent, District Government, Washington 4, D. C.; schedule 7602, opening November 26.

Silica:—Purchasing Agent, District Government, Washington 4, D. C.; 3,000 lbs., schedule 7657, opening December 3.

Soap:—5,104 lbs. shaving cream; Procurement Division, Veterans Administration, Washington 25, D. C.; opening December 11.

Soda Lime:—684 lbs. of soda lime; Procurement Division, Veterans Administration, Washington 25, D. C.; opening December 4.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

A feeling is developing in government circles that private industry should wake up to the fact that the problem of providing increases in salaries of government workers—and that includes the senators and representatives in Congress—is not one that centers solely in the government but has its effects upon industry itself—and in a manner not generally recognized. Directly involved is the question of the type of people we are to have in government which daily is getting deeper and deeper into the field of business regulation.

Members of the senate and house now receive an annual salary of $10,000—before taxes. Whether that is too little or too much is open to question. But the disconcerting part of it is that, so long as the salaries of congressmen remain at that level, there is a diminishing hope that the government ever will be staffed with the type of personnel qualified to handle the increasing problems of industry's being gathered in by government. Congressmen can not be expected to vote salary levels for bureau and agency heads and other responsible positions in government in excess of their own.

There was a time when jobs in government had a particular attraction. First, there was the security angle involved. Secondly, there was a certain amount of prestige attached to the higher government jobs. Thirdly, there was considerable freedom allowed, for example, in research activities that encouraged scientific-minded workers to take these jobs. Over the years there has been a gradual change in this situation that makes for discontent and the desire upon the part of the "good" government workers to think more of their own and their family's interests and future.

Government Jobs Lose Glitter

The feeling of security in government jobs is diminishing because one never knows when the work he might be doing will be suddenly terminated for one reason or another. Top government officials no longer are looked upon with the respect that they had in the past. Probably the increasing costs of running the government and consequently higher taxes have much to do with this. Finally, Congress is more and more inclined to measure the money spent for research in terms of results achieved.

There are at least half a dozen jobs going begging in government now that can and should be filled only by men with the highest qualifications and a desire to see a job done well. Bureau and agency heads are finding it more difficult to fill these positions simply because the men qualified easily can earn twice as much in private industry.

Fats and Oils Quotas Irk

The Fats and Oils Section of the Department of Agriculture's Production Marketing Administration is under fire from small independent users of fats and oils on the grounds that they are being discriminated against in favor of their big competitors in the matter of base period quotas of fats and oils use.

It is being charged that the criterions used in the establishment of base quotas for paint manufacturers is substantially different than those used in fixing base quotas for soap manufacturers. In each instance, the larger firms enjoy an allocation preference, it is claimed.

The way it is being explained by the protestants to the house small business committee, which is making an investigation of the situation, is that during the base period the major supplies of paint procured by the government were furnished by the larger manufacturers. Now that the war has ended, the present civilian use base for paint manufacturers is predicated upon their total military and civilian production during the base period. In the case of the soap manufacturers, it is alleged that a large portion of military and other governmental soap procurements during the base period were secured from the smaller firms. Today, however, civilian use base quotas for soap are predicated solely upon soap produced for civilian use during the base period.

Renegotiation Claims

OWM has changed its plans about issuing a general directive to all agencies to extend the time for payment of renegotiation claims in certain instances, and has decided instead to issue specific authority covering only those cases where real hardship can be shown if too rapid collection of the indebtedness is sought.

The question of payment of renegotiation claims recently was brought into focus by a flood of complaints from business firms that they were being high-pressured by the government for the payments. Collection of the payments previously had been a matter for the War Department to deal with primarily, but, with the ending of the war, the department dumped the problem in the lap of the Department of Justice. The action was interpreted by the contractors as being a threat of suit unless their payments were forthcoming immediately.

OWM's decision not to issue the general directive to extend the time was reached at a recent meeting with the Department of Justice and the War Department. The plan of providing relief in individual cases on a showing of hardship was predicated on the belief that the general directive first proposed would lead to a swamping of the renegotiation agencies with requests for extension and provide what easily might prove to be the cheapest form of credit the petitioning firm could secure.

Rosin Quotas to Stand

Gum rosin users can lay aside their fears that the next period quotas will be cut sharply. It is not going to happen, unless something develops which CPA officials don't anticipate now.

There have been a lot of rumors in the paint trade during recent weeks that quotas would be reduced from 60 percent to 45 percent of the base period use. There was justification for the rumors. Foreign governments were demanding a larger quota of rosin if we still hoped to get needed supplies of other materials. Britain made no bones over the fact that, if we still wanted a goodly supply of her tin and lead, we would have to come across with more rosin.

At the time CPA officials could not see where this increased rosin for export would come from except from the supply available for domestic use. They had orders all drawn up cutting the quota to 45 percent when figures became available last week showing that consumption of rosin had not reached expectations and stocks were much better than anticipated.

Now everybody's happy. Foreign governments are happy to know that 87,000 more drums have been added to the export quota of 121,000 drums. Domestic users are happy to know that their quotas are not to be cut. And CPA is happy to announce that the situation isn't as bad as first thought.

Veterinary Medicines Probed

The Food and Drug Administration has been showing more interest than usual in veterinary medicines in recent months. But, officials say that they are not making a "drive" against the industry, in the ordinary use of this term. What has happened is that FDA was given a larger appropriation in its last funds bill for investigating work; this has enabled it to step up its work in the veterinary field.

There is said to be a considerable amount of misbranding and violation of labeling requirements in the veterinary medicines field, going on for years simply because FDA was never given enough money for all the work it has to do. It still could make good use of even larger appropriations, but until these are granted, it can only do the best it can with what it has.

The increased interest in veterinary medicines will continue so long as

—*Continued on page 42*

Rosin Export Allotment Increased

OPD Washington Bureau

A supplemental allotment of 87,000 additional drums of rosin has been approved for export by the Civilian Production Administration to meet demands of foreign governments for this material it was disclosed, November 29, with announcement by the Office of International Trade Operations (formerly FEA) of the department that it is ready to grant a limited number of licenses for exportation of this rosin in accordance with standards laid down by the CPA. The fourth-quarter quota of rosin for export previously had been fixed at 121,000 drums by CPA.

Effective immediately, the IOTO stated, export license applications for rosin and rosin derivatives must be accompanied by one of the following:—(1) a signed statement or other evidence of ownership of the commodity by the exporter; (2) a definite commitment from a supplier agreeing to furnish the specific amount of rosin if an export license is issued, and the contemplated dates of delivery and shipment; (3) a statement setting forth all pertinent information as to the efforts made to secure a supplier if the applicant has been unable to obtain a commitment.

The grade and price of each commodity must be indicated on the export license applications. The rosins and derivatives listed as being subject for export licenses are:—

Gum rosin and heat treated, stabilized or polymerized gum rosin; wood rosin and heat treated, stabilized, or polymerized wood rosin; rosin oil and sulphate wood rosin; ester gum in powder, flake, or liquid form; rosin modified maleic and fumaric resins; rosin modified phenolic resins; pentaerythritol esters of rosin, glycol esters of rosin, and methyl esters of rosins; rosin size; and sodium resinate.

Licenses for the above commodities will be valid for sixty days from the date of issuance. The validity of outstanding licenses is unaffected by this announcement, the OITO stated.

India Relaxes Export Control

A liberalization of the export licensing policy of India has been affected as a result of a decision by the Indian Government to rebuild export trade and to cultivate new markets. More than 100 commodities have been removed from the list of goods subject to control.

This list includes indigo, many chemicals and chemical preparations, pyridine, cashew nuts, certain gums and resins, lac, animal oils, many essential oils, perfumed spirits, soap nut and bilawan nuts, talc, many ores (including aluminum ore, antimony ore, chrome ore, magnesite, manganese ore and zinc ore), Turkey-red oil, essential oil seeds, spices of all kinds excluding pepper and cinnamon.

Small quantities of approximately twenty commodities can now be exported. Among these goods are:—Agar-agar, beeswax, glue and raw materials for its manufacture, certain gums and resins, polishes, printers' and lithographers' ink, vitamin-A preparations.

The control over exports of certain other commodities, including many kinds of drugs, hops and hop products, abrasives, bitumen, carbon black.

Export License List Revised by OITO

OPD Washington Bureau

The Office of International Trade Operations of the Department of Commerce, formerly the Foreign Economic Administration, has issued a revised "Postive List" of commodities which can only be exported from this country under individual licenses. The revised list is contained in Current Export Bulletin No. 294.

Among products added to the "Postive List" are corn gluten meal, dried beet pulp, dried molasses pulp, citrus pulp for feed, and petroleum coke.

The bulletin also announced a regrouping of countries. In country group K are included all the countries previously in that group plus the European neutrals (except Spain and possessions) and those countries formerly included in country group G and M. In country group E are included all other areas.

Penicillin Restored To Export Licensing

OPD Washington Bureau

Penicillin will be restored to individual export license control, effective December 1, the Office of International Trade Operations, Department of Commerce, has announced in Current Export Bulletin No. 296.

This action is necessitated in part because of the recent falling off of penicillin production and has been recommended by the Civilian Production Administration and also by its Penicillin Industry Advisory Committee. According to CPA, it is expected that penicillin production will return to normal levels within two or three months.

Another factor taken into consideration in making this decision is that since revocation of wartime domestic and export controls on penicillin, the government has had no control over penicillin distribution and as a result difficulty has been encountered in providing for certain essential domestic and foreign requirements.

On November 23, 1945, the CPA took a step which will assure adequate supplies of the life-saving drug to U. S. hospitals by directing that hospitals receive purchase preference for penicillin. The placing of penicillin back under individual export license control will help to conserve the supply in the United States and will assure that the quantity which can be made available for export is equitably distributed among foreign nations.

Penicillin has been exported from the United States since June, 1944, and it was under individual export license control until September 1, 1945. The drug is being exported to all Latin American republics, and to liberated areas, either through direct purchase

—*Continued on page 72*

OPA Cost Absorption Plan Outlawing Asked

OPD Washington Bureau

Legislation outlawing the cost absorption program of the Office of Price Administration has been introduced in the senate by Senators Kenneth S. Wherry, of Nebraska, and Tom Stewart, of Tennessee. The bill (S. J. Res. 118) amends section 2 of the Emergency Price Control Act of 1942 to provide:—

No maximum price shall be established or maintained for any commodity under authority of this Act or the Stabilization Act of 1942:—(1) below a price which will reflect to producers, manufacturers, wholesalers, distributors, jobbers, and retailers dealing in such commodity a percentage profit per unit, based on current costs, equal to the average percentage profit per unit earned during the calendar years 1937 to 1941, inclusive, or (2) which will reduce or result in the reduction of trade discounts or percentage markups, with respect to such commodity, below the average established trade discounts or percentage markups applicable with respect to such commodity during such calendar years.

Chemicals Hauling Control Revoked by CPA

OPD Washington Bureau

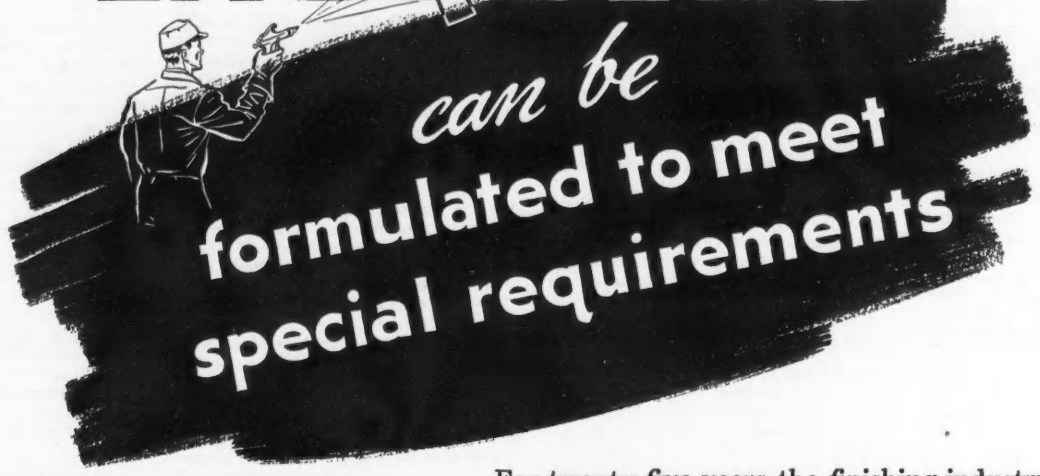
Revocation of Haulage Request TR-2 relating to the transportation and storage of certain chemicals and other materials was announced November 28 by the Civilian Production Administration. The revocation is effective December 31.

This order, which has been in effect for more than two years, permitted supplies of certain materials to exchange delivery orders with other suppliers as a means of reducing cross-hauling and to save transportation.

CPA New York Office to Continue Until Yearend

The New York Regional Office of Civilian Production Administration, successor to the War Production Board, will continue until December 31, the former WPB functions, directives, priority orders and compliance activities which are still in effect. The compliance and administrative departments will continue in the first quarter of next year, John A. Warner, OPA Regional Director, has stated.

LACQUERS



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C. S. C. makes no paint or lacquer but supplies solvents, plasticizers, and emulsifying agents to manufacturers of protective coatings. Our research staff will gladly work with you in formulating solvent mixtures.

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Betachloroallyl Cinnamate

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Lead-Diphenylthiol

Resins—Stabilizer (Brit. 542141) for vinyl chloride polymers.

Nitroisobutanetriol

Textile—Improver (U.S. 2231403) of handle and feel in textile fabrics.

Tetrahydrofurfuryl Alcohol Vanadic-Acid-Esters

Chemical — Oxidizing agent (U.S. 2232917) for organic compounds.

Cosmetic — Light-screening agent (U.S. 2232917) against harmful sun's rays.

Fuel—Improver (U.S. 2232917) of burning characteristics of fuel oil.

Miscellaneous—Light-screening agent (U.S. 2232917) against harm by light rays to coatings and decorations based on cellulose esters.

Paint, Varnish, and Lacquer—Drying agent (U.S. 2232917) in paints, enamels, varnishes, lacquers, and dopes.

Light-screening agent (U.S. 2232917) against harm by light rays (prevents their action which has bad effects through or on the coating).

Plastics—Light-screening agent (U.S. 2232917) against harm by light rays (prevents their action which has bad effects on or through the plastic).

Zein Acetate

(Acetylated Zein)

Adhesives—Base for adhesive compositions.

Food—Base for making grease-resistant compositions for coating food containers.

Ink—Bodying agent for anilin inks.

Miscellaneous — Base for making water-resistant compounded coatings for various uses.

Base of synthetic fiber.

Paint, Varnish, and Lacquer—Base for coating formulations.

Paper—Base for making coatings for paper packaging, containers, and the like.

Resins—Resinous material for impregnating, laminating, and molding purposes.

'Gas' and 'Oil' from Coal Demonstration Plant Set

The Bureau of Mines will take over the Missouri Ordnance Works, near Louisiana, Mo., a plant that made synthetic ammonia during the war, and convert it into a demonstration plant for the production of gasoline and oil from coal and lignite, Secretary of the Interior Harold L. Ickes has announced.

An agreement with the War Department whereby the $17,500,000 plant will be transferred to the Interior Department for reconversion as a synthetic liquid fuels demonstration plant has just been concluded. The plant site, less than 100 miles above St. Louis on the Mississippi River, is within access of the major coal fields of the United States. Coals from all of the coal-producing States will be tested and utilized in the bureau's demonstration plant.

The Bureau of Mines plans call for two distinct units, one using the direct hydrogenation method of producing synthetic fuels and the other employing the indirect gas synthesis process, Secretary Ickes said.

Each unit will have a daily capacity of 200 barrels of oil or the primary products, which include gasoline and wax as well as light and heavy oils. Approximately nine months will be required for completion of the design work and another nine months for the construction of the hydrogenation unit, which will be undertaken first.

Two processes now in use for converting coal or lignite to liquid fuels will be adapted to American raw materials at Bruceton and Louisiana. The first, a direct hydrogenation process, is employed in both Germany and England.

Named to Directorate

Reuel W. Elton, executive assistant to the president of the National Paint, Varnish & Lacquer Association, and its secretary, has been elected a member of the board of directors of the American Trade Association Executives.

Baker, Kutz Named To du Pont Posts

Samuel G. Baker has been named assistant general manager of the electrochemicals department of E. I. du Pont de Nemours & Co., Wilmington, Del., F. S. MacGregor, general manager, has announced. Mr. Baker has been director of the electroplating division of the department. Milton Kutz, who has been acting assistant general manager, becomes a special assistant to Mr. MacGregor.

A native of Tacoma, Wash., Mr. Baker first joined the du Pont company as a worker on a powder production line. Later he was graduated from the University of Washington with a degree in chemical engineering and rejoined the du Pont company as a chemist in 1925.

Mr. Kutz's career in the chemical industry began in 1897. That year he joined the Roessler & Hasslacher Chemical Company as an office boy, rising in thirty-three years to vice-president and a director of the firm. When Roessler & Hasslacher was acquired by the du Pont company in 1930, he became director of sales. In 1933 he was assistant general manager of the department. Illness forced him to take an extended leave of absence in 1941. Since January 1, 1943, he has been acting assistant general manager.

Koppers Names Keeling To Sales Post

Thomas C. Keeling has been appointed general sales manager of the tar and chemical division of Koppers Company, according to J. M. Forker, vice-president.

Mr. Keeling is just completing four years as a lieutenant-colonel in the

Thomas C. Keeling

United States Army, where he was Chief of the Chemical Section, Production Division of the War Department.

He was born in Baton Rouge, La., and received his early education in Nashville, Tenn. He was graduated in 1935 from Massachusetts Institute of Technology with a degree in Business and Chemical Engineering Administration. After graduation, he joined the Niagara Alkali Company, Buffalo, where he was a sales engineer at the time he entered the army.

Chadeloid Corp. Sues American-Marietta Co.

The Chadeloid Corporation of Dayton, Ohio, has brought suit against the American-Marietta Company in the United States District Court for the Southern District at Columbus, Ohio, for infringement of United States Patent No. 1,877,748, covering its wood stains. It is asking for an injunction, an accounting of profits and treble damages.

The Chadeloid Corporation has as licensees under its wood stain patents some fifty-three of the leading corporations in the industrial finishing industry in the United States.

Toluene Plants Disposal Provides SPA with Problem

OPD Washington Bureau

The Surplus Property Administration has advised Congress of its intention to scrap all Government-owned facilities for production of toluene which cannot be sold or leased to present operators or, where feasible, to independent operators. Action is to be taken sometime after December 12 unless Congress indicates opposition to such a policy in the meantime.

Toluene-production capacity was increased approximately tenfold during the war, one plant alone (Baytown Ordnance Work, Baytown, Texas) having the capacity to turn out more than twice the prewar consumption of this material. The plant is now leased to the Humble Oil & Refining Company, the wartime operator. Output of toluene from coal facilities was expanded to 150 percent of prewar consumption.

The opinion of SPA, as expressed in its report to Congress earlier this month on surplus chemical plants and facilities, was that, unless some large new use for toluene—for example, as a component of motor fuel—can be developed, either the facilities for production from coal or those using petroleum fractions will have to be diverted to other uses, such as other phases of petroleum refining.

Ten Months' Stockpile

SPA said that this conclusion is supported by the existence of a Government-owned stockpile of about 20,000,000 gallons of toluene.

The largest normal uses for toluene are as an organic solvent or diluent, as in the production of protective coatings, and as raw material in making dyes, pharmaceuticals, and similar derivatives. In the years 1937 to 1941, annual production averaged about 25,000,000 gallons, entirely coke-by-product toluene.

Heavy demands for toluene came early in the war to meet the huge programs for high explosives and also large requirements for military protective coatings. As the explosives demands rose and fell, all possible amounts of toluene were diverted to the production of aviation gasoline.

Normal production of toluene is largely influenced by demands for coke from the steel industry and expansion of cokeoven operations caused by-product toluene production to increase to about 30,000,000 gallons in 1940 and later to 38,000,000 gallons a year. This was far short of needs for the material, even with curtailment of civilian consumption, and the government turned to the petroleum industry for supplies. By 1945, thirteen petroleum refineries were turning out about 20,000,000 gallons a month, practically ten times the prewar production of by-product toluene from coal.

One Refinery Completed

There are three petroleum toluene refineries for which expenditures of more than $5,000,000 of government funds were authorized. Only one of these, the Baytown Ordnance Work, sponsored by the army, was completed and operated. The other two, the

—Continued on page 44

Health Board for World Favored in Congress

OPD Washington Bureau

Senate joint resolution 89 urging the convening at an early date of an international conference for the purpose of establishing an international health organization was reported favorably this week by the senate committee on education and labor.

Calling attention to the fact that epidemics are raging in many parts of the world as a result of war disruption and deprivation, the report states that "there is today no international health agency organized or equipped to cope with many of the health problems of the rapidly changing world."

The proposed world health organization, which was endorsed by the San Francisco conference of the United Nations, would operate either as a division of the UNO Economic and Security Council or as an agency closely related to the council. The functions of the organization would include collection of worldwide disease statistics; standardization and control of drugs and other therapeutic agents; centralization, consolidation, and subsequent distribution of health and medical knowledge; and assistance to national health services in controlling diseases at their sources.

Military Textile Developments Discussed

Progress made during the war in the improvement of military textiles was reviewed at a conference on quartermaster Textile Research held recently at the National Academy of Sciences in Washington, D. C. Areas in which further resarch is known to be needed were outlined. Present at the conferences were:—Textile members of the advisory board of the Research and Development Branch of the Office of the Quartermaster General and representatives of other organizations in the textile industry who have assisted in quartermaster textile research during the war.

The proceedings of this conference are being published under the sponsorship of The Inter-Society Council for Textile Research in booklet form.

This report, entitled "Proceedings of the Conference on Quartermaster Textile Research," is being published and distributed by Textile Institute.

A. Nelson Myers to Join Texas Gulf Sulphur

Texas Gulf Sulphur Company has announced the appointment of A. Nelson Myers to its sales staff as of January 1, 1946. Mr. Myers will make his headquarters at the New York office of the company at 75 East Forty-fifth Street. Mr. Myers recently resigned his position with the Chilean Nitrate Sales Corporation, with whom he had been connected for the past five years. Prior to his employment by that company, he had served with various fertilizer companies in the South. Mr. Myers was born in Virginia and graduated from Davidson College in North Carolina.

Research for Industry Founded in St. Louis

An industrial research foundation has been established at Washington University, St. Louis, by a directorate representing eight industrial concerns in that area.

The foundation, which will utilize the facilities of the university's school of Engineering under Dean Alexander S. Langdorf, will undertake projects related to fundamental scientific principles as well as practical problems initiated and financed by industry.

Among the nine directors of the foundation are two executives of the Monsanto Chemical Company, Edgar M. Queen and Paul G. Marsh.

Chicago Scientific Center Proposed

Erection of a Chicago scientific center to meet the needs of the city's growing scientific organizations has been proposed to the Chicago Section of the American Chemical Society by Dr. Robert E. Wilson, chairman of the board of the Standard Oil Company of Indiana.

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Manufacturers of stock feeds also use Iodized Salt or various Iodine mixtures—some straight Potassium Iodide USP, others one of the 90-10 mixtures, the 10% being Calcium Carbonate or Magnesium Carbonate or Calcium Stearate.

The latter Potassium Iodide mixture containing Calcium Stearate is known as Stabilized Iodine, for Calcium Stearate tends to stabilize the Iodine against oxidation.

All these Iodine products primarily are for the protection of health. Whatever your requirements may be, when there is a need for Iodine in any form, remember Baker.

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4
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OR
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10% CALCIUM STEARATE

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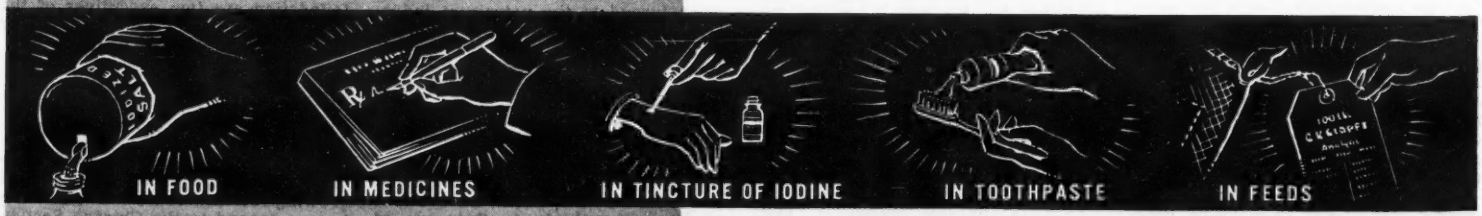


Current Market Quotations Chemicals and Related Materials

November 29, 1945

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs. .....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs. .....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., dlvd.lb. .07 - .08
l.c.l., dlvd.....lb. .07½- .08½
tanks, dlvd.....lb. .06 - .07
Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works..lb. .90 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb.-lot.. .45 - —
smaller lots, same basis..lb. .46 - .50

standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kgs.....lb. .20 - .22
Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works... 100 lbs. 1.60 - —
l.c.l., E. works. ....100 lbs. 1.95 - 2.55
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up....lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59
Betaoxynaphthoic, bbls., works. lb. .95 - —
Boric,[2] tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.90.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broener's, bbls.....lb. 1.11 - —

Acid, cacodylic, bots.....lb.13.50 -15.50
Camphoric, cns.....lb. 6.95 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., frt. dms.....lb. No stocks
Castor oil,[1] split, ret. dms..lb. Nominal
Chlorosulphonic, dms., c.l., wks., lb. .06 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't, lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil, s.l.,[1] dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., ret. dms., c.l..lb. .12 - .13
tanks, dlvd.....lb. .11¼- .12¾
Cresylic,[2] dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .696 - —
tanks, dlvd.....gal. .646 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, cns., dms., works..lb. No stocks
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works.....lb. .10½- —
l.c.l. .....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms. lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., divd. E..lb. .48 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, acid basis. lb. .08¼- —
Hypophosphorous, USP, djns. lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24¼- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less. lb. .26 - .26¼
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., 95, dms.....lb. .26 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .22

Acid, maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0065- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms.....kilo. 7.00 - 7.30
Nicotinic amide (see Nicotinamide)
Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra. lb. .15 - —
dealers, cbys. extra.....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[2] white, dist., dms..lb. No stocks
tanks .....lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 1.65 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.08
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., divd. E... gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .38 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1] s.d., dms., works. lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., divd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., divd., lb. .16¾- —
single pressed, bgs., c.l., divd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., divd., lb. .15¾- —
triple pressed, bgs., c.l., divd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., divd., lb. .19¼- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., wks..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....lb. 1.60 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra.....lb. .04½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works, ton.19.50 - —

Acid, tannic, tech., bbls., dms..lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs... lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —
Thioglycolic, highly purified, bbls., cbys., basis 100%..lb. 3.50 - 7.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.35 - 1.40
Aconitine, amorph., bots.....oz.28.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., frt. alld. lb. .39½- —
l.c.l., works.....lb. .40 - .41
tanks, frt. alld.....lb. .39 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .34
pharmaceutical, dms., wks. lb. .32 - .33
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls...lb. 2.06 - 2.14
granular, cryst., bbls.....lb. 2.01 - 2.09
tech., cryst., bbls.....lb. 1.40 - 1.55
Alcohol, allyl, dms., c.l., divd.lb. .21 - —
l.c.l., divd.....lb. .21½- —
tankcars, divd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .70 - .75
dms. .....lb. .65 - —
Butyl, normal,[1] ferment., Ill., Ind. prod., dms., c.l., frt. alld..lb. .1930- —
l.c.l., frt. alld. E....lb. .1980- —
tanks, frt. alld. E....lb. .1830- —
tankwagons, frt. alld.lb. .1880- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¾- —
tanks, frt. alld. E.....lb. .10¾- —

Normal butyl alcohol prices in West, ½c. per lb. higher.

secondary, dms., c.l., divd.lb. .095 - —
l.c.l., divd.....lb. .10 - —
tanks, divd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms.....lb. .13 - —
tanks .....lb. 11 - —
Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots.....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 3.00 - 3.55
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .653
tanks, E., divd.....gal. .543 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .632 - —
l.c.l., works, E.....lb. .632 - .652
tanks, E. works.....gal. .542 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. .604½- —
l.c.l., works, E.....gal. .63½- .65½
tanks, E. works.....gal. .53½- —
SD23G, dms., c.l., works...lb. .652 - —
l.c.l., works.....lb. .672 - —
tanks, works.....lb. .582 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .66½
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .66½- .68½
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .63 - —
l.c.l., works, E.....gal. .65 - .68
tanks, E. works.....gal. .56 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .11¼- .14½
l.c.l., divd.....lb. .12 - .15
tanks, divd.....lb. .10¼- .13½
tech., dms., c.l., divd.....lb. .11 - .13½
l.c.l., divd.....lb. .11½- .14
tanks, divd.....lb .10 - .12½

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order (L order)

[4]—General Preference Order (M order)

[5]—Conservation Order (M order)

[6]—Allocation

[7]—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l., works..gal.17.72½- —
l.c.l., works.....gal.17.76 -17.79
tanks .....gal.17.65½- —
absolute, dms., c.l., works.gal.18.67½- —
l.c.l., works.....gal.18.71 -18.74
tanks .....gal.18.60½- —
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl,[6] refd., dms., works.lb. .0660- —
tanks, works.....lb. .0760- —
Isopropyl,[3] refd., 91%, dms., incl., c.l., divd..gal. .38 - —
l.c.l., divd.....gal. .41 - —
tanks, divd.....gal. .31½- —
99%, dms., incl., c.l., divd.. gal. .41¼- —
l.c.l., divd.....gal. .44½- —
tanks, divd.....gal. .35 - —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.10 - 2.35
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .63
Propyl, normal, dms., works.lb. .67 - —
smaller containers, works.lb. .82 - —
tanks, works.....lb. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —
Aldol,[6] dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.20 - —
Algarobilla,[1] c.l., ex dock..... long-ton.67.50 - —
Algarobilla price based on ocean frt. at $12 insurance per long ton.
Algin, bbls., fib. dms.....lb. .76 - 1.60
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .16½- .17
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., divd....lb. .13½- —
l.c.l., divd.....lb. .14 - —
tanks, divd.....lb. .12½- —
Aloe, Cape, cs.....lb. No stocks
Curacao, kgs.....lb. .48 - .49
Socotrine, kgs.....lb. .43 - .44
Aloin, bbls., dms., kgs.....lb. 4.80 - 4.89
Alphanaphthol, bbls.....lb. .53 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28½
Alphapinene, dms., c.l., wks..gal. .88 - —
l.c.l., works.....gal. .90 - —
tanks, works.....gal. .85 - —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia, burnt, USP, bbls., kgs.....lb. .16 - .18
gran., bbls., works.....100 lbs. 4.00 - —
divd., N. Y., Phil.100 lbs. 4.00 - —
lump, bbls., works.....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works.....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works, 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works.....100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works.....100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00
Alumina, classified grade, ground, kgs., works..lb. .35 - .67
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solution, 24%, bbls., divd..lb. .16¼- .11
20%, bbls., divd.....lb. .09½- .10
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06¼- .06¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works..lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate,[6] heavy, bgs., c.l., works..lb. .024 - .051
l.c.l., works.....lb. .035 - .040
light, bgs., divd.....lb. .14½- —
bbls., divd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% Al (OH)₃ dms., 10,000 lbs. or or more, f.o.b. ship't point. lb. .03 - .03¼
ton lots, same basis..lb. .03¼- .03½
smaller lots, same basis, lb. .03¾- .04
conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .25 - .28
Naphthenate,[6] 1.7% Al, 80-gal. dms., works..lb. .12¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., ctn., c.l....lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, coml. bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald... 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald... 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works. 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 96-99%,[2] c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
Paste, lining, extra fine, 200-lb. dms..lb. .56 - .69
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .28 - —
Aluminum, powder, lining, extra fine, 150-lb. dms.....lb. .93 - —
litho, 160-lb. dms.....lb. .57 - —
standard, 200-lb. dms...lb. .59 - —
rubber comp., 200-lb. dms..lb. .40 - —
unpolished, stand., dms....lb. .56 - —
varnish, stand., 300-lb. dms.. lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

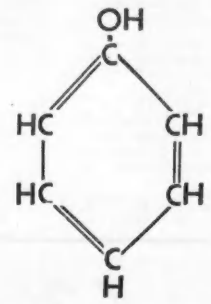
Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia[6] anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works.... ton.69.00 - —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02½- —
l.c.l. .....lb. .03½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .43 - —
smaller lots, frt. alld...lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1030- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Carbonate, USP, lump, dms..lb. .06¼- .06½
cns. .....lb. .14¼- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride,[6] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua)
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 8%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate-limestone,[6] 20.5% N, bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .22 - —
dms. .....lb. .25 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .28¼
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works...lb. .07 - —
l.c.l., works.....lb. .07¾- .08¼
Salicylate, NF, dms., kgs....lb. 1.15 - 1.18
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .06½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports.....ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 35%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate,[6] ex fusel oil, tech., dms., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .17½- —
tanks, divd.....lb. .16 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works....lb. .695 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .75 - .85
Anethol, com'l, dms., works..lb. .657 - .682
NF, dms.....lb. 2.60 - 3.00
Angelica dom. atropurpurea root, bls..lb. 1.00 - 1.35
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .21 - .22
Anilin oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. .32½- .33½
Syrian, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 3.00 - 3.25
Annatto, paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .06½- .09
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1] bulk, c.l., works....lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .16¼- —
Chinese, black, 70%, cs.....lb. .20 - .23
Oxide,[1,6] ceramic grade, bgs., c.l.lb. .16 - —
l.c.l. .....lb. .15½- —
paint grade, bgs., c.l.....lb. .16½- —
l.c.l. .....lb. .16¾- —
Antimony salt,[1,6] 65%, bgs., c.l., divd. E. of Miss. River..lb. .40 - —
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Apple syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide, bots.oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos, 100% purity. kilo.80.00 -82.00
Arnica flowers, bls.....lb. 2.25 - 2.30
Arrowroot, powd., bgs., bbls...lb. .10½- .11
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .58 - .60
powd., bbls., dms.....lb. .78 - .80
Asbestine (see Talc, N. Y., fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (30 tons), same basis..ton.38.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.23.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10¼- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuba A, bulk, c.l.....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l. .....ton.55.00 - —
Egyptian .....ton. No stocks
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300-390° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., c.l., Texas refy..ton.21.00 - —
l.c.l., same basis.....ton.21.00 -23.00
tanks, same basis.....ton.16.00 - —
Atropine, bots.....oz. 7.85 - —
Sulphate, bots.....oz. 5.75 - 6.15

B

Balm of Gilead buds, bgs.....lb. 1.90 - 2.00
Barbasco root,[3] (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms.....lb. 3.50 - 3.60
Sodium, dms.....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
precip., bbls., c.l., works..ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst.,[6] bgs., c.l., works, ton.73.00 - —
l.c.l., works.....ton.78.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11¼
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .12 - .14
grd., dms., l.c.l., works....lb. .13 - .16
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.05 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.79% bgs., mines.....ton.18.00 - —
Ore, approx. 94% $BaSo_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.00 - 1.10
Root, bls.....lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works, ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .20½- .26
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .70 - .85
dms. .....lb. .65 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., dms.lb. 1.10 - 1.15
Chloride, cbys., frt. equal..lb. .22 - .24
Cinnamate, cns.....lb. 4.00 - 6.35
Formate, cns.....lb. 2.70 - 2.75
Proprionate, bots.....lb. 2.30 - 2.45
Silicylate, bots.....lb. 1.80 - 1.85
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .30 - .50
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works...lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98.50%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .43 - .44
Bismuth chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots....lb. 2.81 - 2.96
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.48
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, bbls., fib. dms..lb. 2.60 - —
5-lb. cns.....lb. 2.54 - 2.59
Sulphocarbolate, bots.....lb. 2.71 - 2.74
fib. dms.....lb. 2.63 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.40 - 3.90
Black, acetylene,[2] bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .18 - —
Bone 1A, bgs., bbls. c.l. frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
3, bgs., bbls., c.l., same basis. lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .08½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon, channel, compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works.....lb. .055 - —
l.c.l., works.....lb. .06 - —
divd. or whse.....lb. .092 - —
uncompressed, regular, bgs., c.l., works..lb. .0825- —
bgs., ctns., l.c.l., divd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .06 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works....lb. .03½- —
ctns., l.c.l., whse.....lb. .09 - —
Thermatonic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08¼- —
Lamp, 1, ctns., c.l., works..lb. .08¼- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes (see Dyes)
Black haw root bark, bls.....lb. .84 - .85
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls...lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis....ton.46.50 - —
Bleaching powder,[2] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.80
Blood,[1,7] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .53 - .55
Blue,[1] alkali, dry, bbls., divd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
Toner, bbls., same basis.....lb. .85 - .90
Celestial, bbls., same basis...lb. .10 - .12
Chinese, bbls., same basis...lb. .30 - —
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine)
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.70

PHENOL U.S.P.

Carbolic Acid



C_6H_6O Mol. wt. 94.11

Phenol contains not less than 98 percent C_6H_6O

DESCRIPTION—Phenol occurs as colorless to light pink, interlaced, or separate, needle-shaped crystals, or as a white or light pink, crystalline mass. It has a characteristic odor. When undiluted, it whitens and cauterizes the skin and mucous membranes. When gently heated, Phenol melts, forming a highly refractive liquid. It is also liquefied by the addition of 10 per cent of water. Its vapor is inflammable. Phenol gradually darkens on exposure to light and air.

SOLUBILITY—One Gm. of Phenol dissolves in 15 cc. of water at 25° C. It is very soluble in alcohol, in glycerin, in chloroform, in ether, and in fixed and volatile oils. It is soluble in petrolatum and in liquid petrolatum.

CONGEALING TEMPERATURE—Phenol congeals at a temperature not lower than 39° C.

IDENTIFICATION—

A. An aqueous solution of Phenol yields with bromine T. S. a white precipitate which at first redissolves, but becomes permanent as more of the reagent is added.

B. Add 1 drop of ferric chloride T. S. to 10 cc. of an aqueous solution of Phenol (1 in 100): the liquid acquires a violet blue color.

NON-VOLATILE RESIDUE—Heat about 5 Gm. of Phenol, accurately weighed, in a tared porcelain dish, on a water bath until it is volatilized, and dry at 105° C. for 1 hour: not more than 0.05 per cent of residue remains.

REACTION—An aqueous solution of Phenol (1 in 15) is clear, and neutral or only faintly acid to litmus paper.

ASSAY—Dissolve about 1.5 Gm. of Phenol, accurately weighed, in sufficient distilled water to make 1000 cc. of solution. Transfer an aliquot of the solution, containing from 38 to 41 mg. of Phenol, to an iodine flask, add 30 cc. of tenth-normal bromine, then 5 cc. of hydrochloric acid, and immediately insert the stopper. Shake the flask repeatedly during 30 minutes, allow it to stand for 15 minutes, remove the stopper just sufficiently to introduce quickly 5 cc. of an aqueous solution of potassium iodide (1 in 5) being careful that no bromine vapor escapes, and at once stopper the flask. Shake thoroughly, remove the stopper, and rinse it and the neck of the flask with a little distilled water, so that the washings may flow into the flask. Add 1 cc. of chloroform, shake the mixture well, and titrate the liberated iodine with tenth-normal sodium thiosulfate, using starch T. S. as the indicator. Each cc. of tenth-normal bromine is equivalent to 0.001569 Gm. of C_6H_6O.

STORAGE—Preserve Phenol in tight, light-resistant containers.

U. S. P. PRODUCTS OF PHENOL—Phenol Liquefactum, Unguentum Phenolis.

Available in drums, drum carloads and tank cars

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TELEPHONE LEXINGTON 2-3324

CABLE "WILNEUBERG"

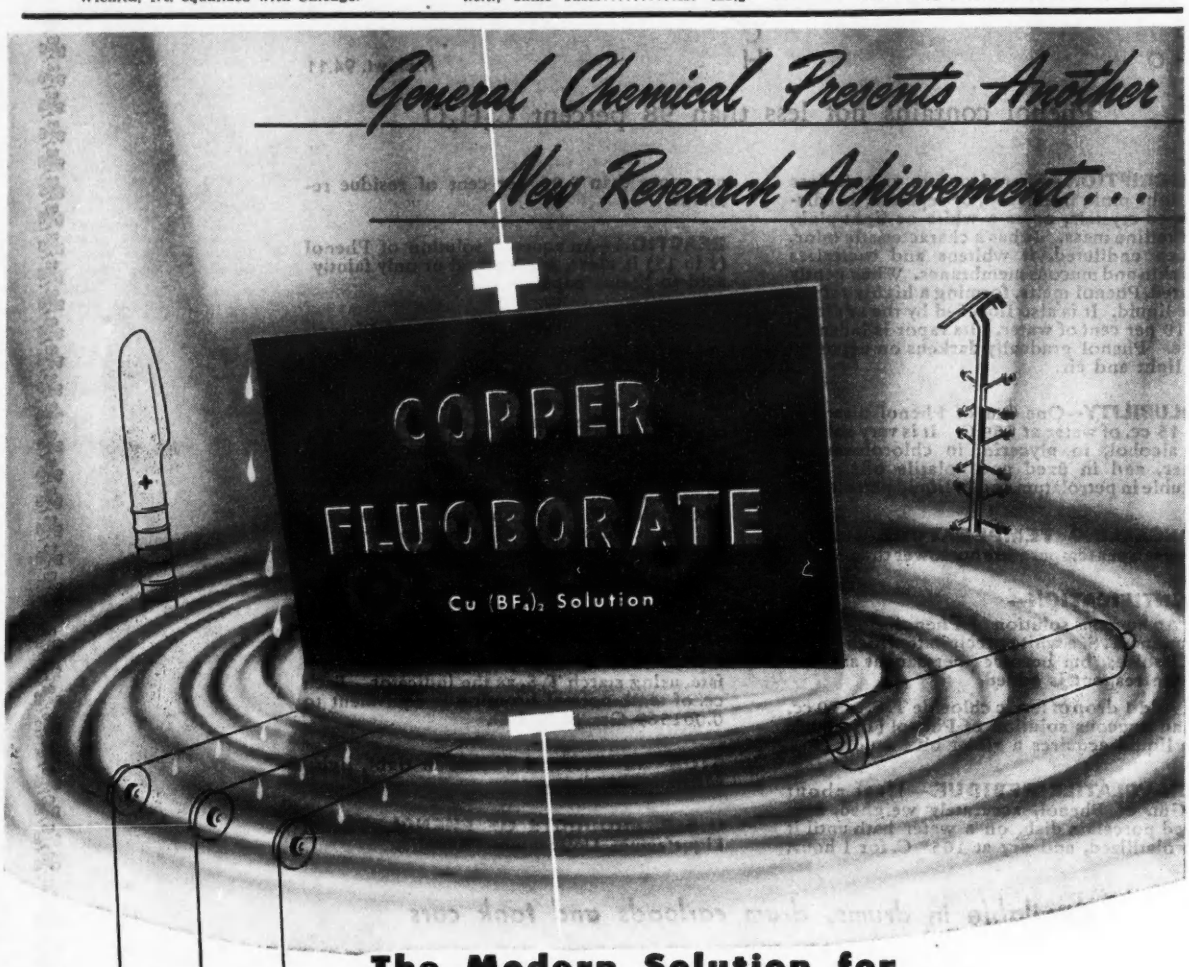
Blue, iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine,[4] cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag root, bls.....lb. .70 - .75
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago...ton.57.00 -65.00
junk, bulk, same basis....ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.38.50 - —
Chicago, works.....ton.36.00 - —
Phosphate, defluorinated (see D). Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. No stocks
Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse.....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld. ton.50.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —

Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 5.20 - 5.35
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .95 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .14 - .15
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .03¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .03¾- —
Italian-type, bbls., works.lb. .04¾- —
Brown, umber, burnt, American, Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0385- —
Pittsburgh .....lb. .05 - —
Turkey-type, bbls., ex car, Los Angeles.....lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles. lb. .06¾- —
Portland, San Francisco, Seattle..lb. .06¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs.....oz. .30 - —
Bryonia root, bls.....lb. .60 - .65
Buchu leaves, bls.....lb. .83 - .85
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .80 - .81
Burgundy pitch, dom., dms...lb. .08 - —
Butane,[4] indust., tanks, Group 3. gal. .09½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .1850- —
l.c.l., same basis.....lb. .1910- —
tanks, same basis.....lb. .1760- —
tankwagon, same basis.lb. .1810- —
other production dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .1800- —
synthetic, dms., c.l., same basis. lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
secondary,[1] dms., c.l., divd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .09½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works...lb. .15¼- —
l.c.l., works.....lb. .16¼- —
tanks, works.....lb. .14¼- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26¼- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .35½
Phenylacetate, dms.....lb. 2.00 - 2.35
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd.....lb. .16½- .17
tanks, divd.....lb. .15½- —
Stearate, dms.....lb. .31½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.20 - —
cns. .....lb. 4.00 - —
Lithopone (see Yellow).
Metal,[1] ingots or sticks, divd.lb. .90 - —
pat. shapes, cs., divd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more. lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.06
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more. lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.80
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .50
Calamus root, natural, dom., bls. lb. .40 - .45
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., divd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1] dms., c.l., works.ton.50.00 - —
divd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., divd..ton.18.50 -35.00
l.c.l., divd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., divd. ton.18.00 -34.50
l.c.l., divd.....ton.28.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .25 - .40
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .60
cns. .....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.80 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.75 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .21 - —
USP, bbls.....lb. .25 - .27
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, dms..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -15.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0625- —
bgs., l.c.l., works.....lb. .0645- .0680
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15¼- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctn., c.l., works..lb. .25 - —
l.c.l., works.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —



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Calcium, sulphocarbolate, bbls..lb. .49 - .50
Tallate, 8%-4% Ca, 50-gal. dms., lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works.. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 2.60 - 2.65
Calomel,[6] bbls., dms.....lb. 2.44 - 2.45
Camphor, natural.....lb. No stocks
synth.,[4] tech., bbls., contract, 2,000 lbs. or more, works..lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Camphor, monobromated, dms.lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type..lb. .68 - .89
Canadian, bgs.....lb. .69 - .70
Dutch, bgs., futures.....lb. .69 - .70
Morocco, dewhiskered, futures, bgs..lb. .67 - .68
Spanish, dewhiskered, bgs..lb. No stocks
Syrian, dewhiskered, futures, bgs..lb. .68 - .69
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l. lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —

Carbon tetrachloride, tech., Zone 4, 52½-gal. dms., c.l.... .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans. 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho., Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs., lb. 1.50 - 1.60
medium, cs.....lb. 1.45 - 1.50
decorticated, Guatemala, cs..lb. .98 - .99
India, cs.....lb. .96 - .97
green, bgs.....lb. .67 - .68
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.80 - —
50,000 USP units per gm., bots., works..lb. 8.43 - —
dms., works.....lb. 7.68 - —
8,800 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
3,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots.....lb.22.50 -23.00
Cascara sagrada bark, bulk...lb. .43 - .45
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24¼- —
less than 20, same basis. lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —
less than 20.....lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .21 - .22
rennet-precip., unground, bgs., 100 bgs. or more..lb. .22½- .24½
Cassia,[1,7] .....lb. No stocks
Cassia fistula, bskts.....lb. .26 - .28
Castor beans,[7] bgs., Brazilian ports..long ton.86.00 -87.00
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 2.90 - —
Castoreum, nat., cns.....lb.12.00 -13.00
synth, bots.....lb.10.00 - —
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls.....lb. .50 - .55

Celery seed,[1] French, bgs.....lb. No stocks
Indian, bgs.....lb. .21 - .21½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb. .35 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkgs. works....lb. .48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.. lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works....lb. .46 - —
Granules are 5c. per lb. higher, all quantities.
Acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works...lb. .48 - —
Granules are 5c. per lb. higher, all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more. lb .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 - —
rubbermakers, bgs., c.l., works ton.30.00 - —
Chamomile, Hungarian type, cs. lb. .52 - .53
Roman, bls., futures.....lb. 1.75 - 1.85
Charcoal, hardwood, lump, bulk, c.l., works..ton.31.25 - —
bur. bgs., ret., c.l., works. ton.31.00 -33.75
briquets, bulk, c.l., works... ton.35.00 - —
bgs., c.l., works.....ton.40.00 -41.00
granular, all grades, bgs., incl., works..ton.44.00 - —
screenings, bur. bgs., ret., c.l., works..ton.23.65 - —
Pinewood,[1] lump, bgs., c.l., Southern shipping points... ton.20.00 - —
granular, powd., bgs., c.l., works, South..ton.30.20 - —
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] standard 25% tannin, bbls., c.l., works..100 lbs. 3.22 - 3.55
l.c.l., works.....100 lbs. 3.47 - 3.80
tanks, works.....100 lbs. 2.62 - 2.95
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 7.46 - 8.32
l.c.l., works.....100 lbs. 8.21 - 9.07
Chillies (see Pepper, red).

China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks.,l.c.l., ex whse.ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .96
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works.lb. .33 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l....lb. .05½- —
contracts .....lb. .05½- —
l.c.l. .....lb. .07½- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2 wks., frt. equald.100 lbs. 2.50 - —
1 wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .22
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyl. 100-lb. cyls., same basis...lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 25% works bbls..lb. .32 - —
works, ton lots..... .30 - —
solut., 8% bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Fluoride, bbls., wks.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Ore,[1] residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchonine,[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchophen, NF, heavy, dms...lb. 3.70 - 3.80
standard, dms.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .85 - .95
Cinnamon,[1,7] Ceylon, O, bls., fu-tures..lb. .5262- —
OO, bls., futures.....lb. .5320- —
OOO, bls., futures.....lb. .5407- —
OOOO, bls., futures.....lb. .5494- —
No. 1, bls., futures.....lb. .5145- —
2, bls., futures.....lb. .5058- —
3, bls., futures.....lb. .4938- —
4, bls., futures.....lb. .4858- —
Citral, bots., cns.....lb. 4.50 - 6.50
Citrine ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 6.75
Clove,[1] Madagascar, bls.....lb. .15½- .16
futures, bls.....lb. .16 - .16½
Zanzibar, bls.....lb. .17¼- .17¾
futures, bls.....lb. .17 - .17½

SPOT DELIVERIES

SODIUM PERBORATE Powder U.S.P.

SODIUM BICHROMATE
MAGNESIUM METAL POWDER, High Purity
MAGNESITE CALCINED Indian
DICALCIUM PHOSPHATE PURE FOOD GRADE
MENTHOL TECHNICAL
TRIACETIN

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE •• NEW YORK 17, N. Y. • PHONE LE 2-9740

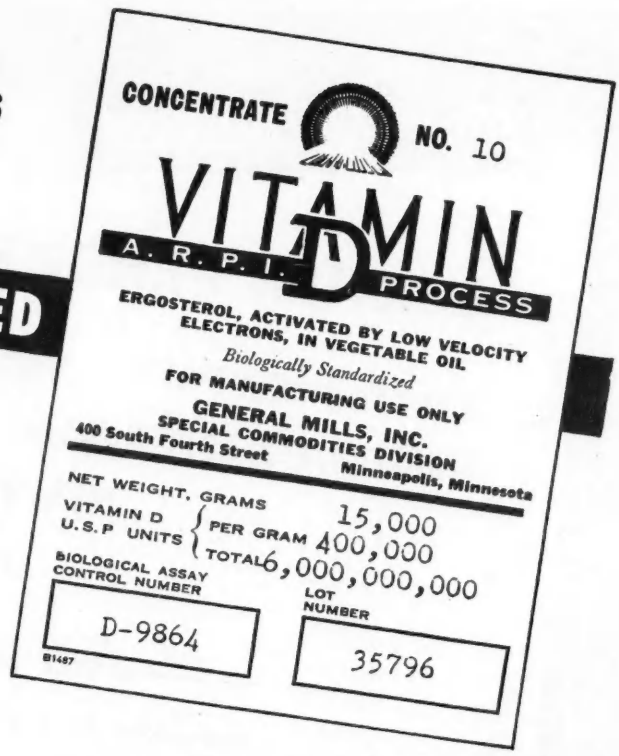
Clover tops, red, dom., bgs....lb. .50 - .55
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works...bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works...dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .63¾- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.56 - —
feed grade, 23% Co, kgs...lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs...lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.64 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .38½- —
Soyate, 8%-8.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .35 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, ozs..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
silver, Teneriffe, bgs.....lb. .38 - .39
Cocoa butter,[1,7] bulk, ship. pt..lb. .25 - —
Cocillana bark, bgs.....lb. No prices
Codeine, ozs., 100 ozs.....oz. 11.70 - —
Hydrochloride, ozs., 100 ozs.oz. 10.50 - —
Phosphate, ozs., 100 ozs.....oz. 9.00 - —
Sulphate, ozs., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .19
blue, bls.....lb. .22 - .25
Colchicine, bots., ozs.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
ozs.....lb. .28 - .29½
Flexible, USP, dms.....lb. .21 - .22
ozs.....lb. .25 - .31
Colocynth pulp, bls.....lb. .55 - .60
Colombo root, bls.....lb. .16½- .17
Coltsfoot leaves, bgs.....lb. No stocks
Condurango bark, bgs.....lb. .13 - .15
Copaiba balsam, Para, ozs....lb. No stocks
S. A., USP, ozs.....lb. 1.00 - 1.10
Copper acetate, cupric, bbls., works..lb. .25¼- —
smaller containers, wks...lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1] electrolytic.....lb. .13 - .13½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate,[1] tech., cryst., bbls..lb. .19¼- .20½
Oleate, precip., bbls.....lb. .22½- .25½
Oxide, black, bbls., works...lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Copper, resinate, precip., 8.3% Cu, 125-lb. dms.....lb. .15½- .16
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
l.c.l., 700 to 36,000 lbs.. 100 lbs. 5.00 - 5.50
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd..100 lbs. 10.20 - —
smaller lots, dlvd..100 lbs. 10.95 - —
dms., c.l., dlvd.....100 lbs. 8.95 - 9.20
l.c.l., dlvd.....100 lbs. 9.95 -10.20
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra,[7] Coast, ship't.....lb. No prices
Coriander[1] seed, Argentine, bgs. lb. .10 - .10½
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. .10 - .11½
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l., dlvd..100 lbs. 3.905 - —
slabs, bbls., c.l., dlvd.... 100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l., dlvd. 100 lbs. 4.221 - —
43°, bbls., c.l., dlvd..100 lbs. 4.273 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .22 - .25
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[1,7] 41% protein, bulk, Memphis, c.l..ton. 45.00 -49.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .81
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .57½- —
smaller lots, bbls., kgs., lb. .58 - .58½
imported, bbls.....lb. .50 - .55
Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar (see Cresol).
Oil,[1] coaltar, crude, tanks, works..gal. .15¼- —
refined, dms., c.l., works, gal. .247 - .323
l.c.l., same basis....gal. .26 - .35
tanks, same basis....gal. .15 - .16½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[1,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., same basis..lb. .10¾- .11⅜
l.c.l., same basis.....lb. .11¼- .11⅞
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works.. lb. .16 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works.....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .25 - .26
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs, futures.....lb. .34 - .35
Morocco, bgs.....lb. No stocks
Syrian, bgs.....lb. .39 - .40
Cutch, bgs.....lb. No stocks
Cyanamid,[2] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.52½- —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 98 - 100%, dms., works..lb. .21 - .23
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls., dlvd., gal. .37 - —

D

Damiana leaves, bls.....lb. .45 - .46
Dandelion root, bls.....lb. .70 - .75
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works..lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .34 - .35
Defluorinated phosphate,[1] paper bgs., works..ton. 34.25 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .28 - .30
over 2% ffa, bbls.....lb. .26½- .26½
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l.. 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11⅛
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots..lb. 5.50 - 5.55
laboratory grade, bots..... 100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether)
Phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works..lb. .25 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific coast.. ton. 22.00 -26.00
l.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., Atlantic coast..ton. 55.00 -59.00
l.c.l., ex whse.....ton. 85.00 -90.00
Diatomaceous earth, imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2230- .2900
1-gal., cns., works.....lb. .2520- .3100
dms., c.l., works.....lb. .1770- .2350
l.c.l., works.....lb. .1920- .2400
tanks, works.....lb. .1670- .2250
Sebacate, dms., c.l., works..lb. .4800- .5075
l.c.l., works.....lb. .4850- .5125
tanks, works.....lb. .4600- .4975
Tartrate, dms., works, frt. alld. lb. .93 - 1.03
Dibutylamine, dms., c.l., works.. lb. .66 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT)
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .22¼- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms..lb. .25 - —
refd., 90%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd.....lb. .30½- —
l.c.l., dlvd.....lb. .31 - —
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l., dlvd.....lb. .2075- .2170
tanks, dlvd.....lb. .1925- .2050
Sulphate, dms., c.l., works...lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works..lb. .44 - —
l.c.l., works.....lb. .46 - —
tanks, works.....lb. .40 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .13½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.10 - 1.15
Diglycol laurate, dms.....lb. .82 - .83
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Dihydroxydichlorodiphenylmethane, dms., works or N.Y. met.lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, natural cleaned, bgs., lb. No stocks
decorticated, bgs.....lb. .12 - .12½
dewhiskered, bgs.....lb. .06½- .09
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .18¾- —
l.c.l., dlvd.....lb. .19¼- —
tanks, dlvd.....lb. .17¾- —
Dimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —

The label of Vitamin D that is

BIOLOGICALLY STANDARDIZED



Look closely at this label—it belongs to a vitamin D concentrate that is guaranteed to be *biologically standardized* . . . absolutely uniform in potency.

The reason for this is that every lot of Vitamin D (A.R.P.I. Process) is "pedigreed," given a "D" number—a biological assay control number—before it goes into the various steps of production, bio-assay, dilution to required potencies, reassay and shipment to the purchaser. Through all these steps, careful records are kept, insuring an accurate check at all times.

Painstaking controls make it possible to offer you a biologically-standardized, uniform-potency vitamin D concentrate particularly ideal for incorporation in high-quality medicinal products, either fluid, capsulated or tablets; for compounding with other vitamin concentrates or medicines; for use wherever a stable, accurate-potency vitamin D is indicated.

If you are interested in the possibilities of using Vitamin D (A.R.P.I. Process) in your particular product, we invite you to write for more complete information.

FACTS ABOUT VITAMIN D ***(A. R. P. I. Process)***

Vitamin D (A.R.P.I. Process) is produced by activation of pure crystalline ergosterol with low velocity electrons. Biologically standardized, it is available in a range of concentrations (U.S.P. units of vitamin D per gm). Requires no special incorporation equipment and does not impart taste or odor to any products fortified by it. ***Not under allocation. Readily available!***

General Mills, Inc. *Special Commodities Division*

MINNEAPOLIS 13, MINN. 80 BROAD STREET NEW YORK 4, N.Y.

Dinitrobenzene, bbls.....lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Dierthotoluolguanidin,[6] dms., ton lots, divd..lb. .44 - —
smaller lots, divd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1] destructive dist., dms., divd. E..gal. .55 - .56
tanks, divd. E.....gal. .45 - —
steam-dist., dms., divd. E..gal. .56 - .58
tanks, divd. E.....gal. .52 - .53
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms.....lb. .43 - .45
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons.lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[1,6] 42% tannin, c.l., U.S. ports, ex dock..ton. 65.00 - 69.50
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .50 - .55
Dogwood, Jamaica, bark, bls..lb. .10 - .11
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns.....lb. 13.00 - —
Green, FD&C, No. 1, cns....lb. 13.00 - —
No. 2, cns.....lb. 17.00 - —
No. 3, cns.....lb. 27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb. 17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1, cns..lb. 8.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C, No. 1, cns.....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb. 12.35 - —
Brown, D&C, No. 1, cns....lb. 12.35 - —
Green, D&C, No. 5, cns.....lb. 12.35 - —
No. 6, cns.....lb. 12.35 - —
Orange, D&C, No. 3, cns....lb. 8.35 - —
No. 4, cns.....lb. 15.35 - —
No. 10, cns.....lb. 15.85 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb. 15.35 - —
No. 19, cns.....lb. 15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 33, cns.....lb. 12.35 - —
No. 37, cns.....lb. 12.35 - —
Yellow, D&C, No. 7, cns....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb. 10.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics)—
Blue, Ext. D&C, No. 1, cns..lb. 12.35 - —
Green, Ext., D&C, No. 1, cns. lb. 12.35 - —
Red, Ext. D&C, No. 1, cns..lb. 10.35 - —
No. 3, cns.....lb. 21.85 - —
No. 8, cns.....lb. 7.85 - —
No. 10, cns.....lb. 12.35 - —
No. 13, cns.....lb. 12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 - —
Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
105 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
308 Direct fast scarlet...lb. 2.00 - 2.25
365 Chrysophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN. lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb .70 - .72
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
551 Direct black EW.....lb. .50 - .54
552 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L.lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
866 Nigrosin derivatives...lb. .36 - .44
Blue—
7075 Alizarin astral base...lb. 15.00 - —
1078 Alizarin syanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
686 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink). lb. 2.50 -
1060 Anthraquinone,[6] violet base..lb. 6.00 - —

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Yellow—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .65 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
832 Bismarck brown R...lb. .47 - .62
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.65 - —
176 Fast red A[6].....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

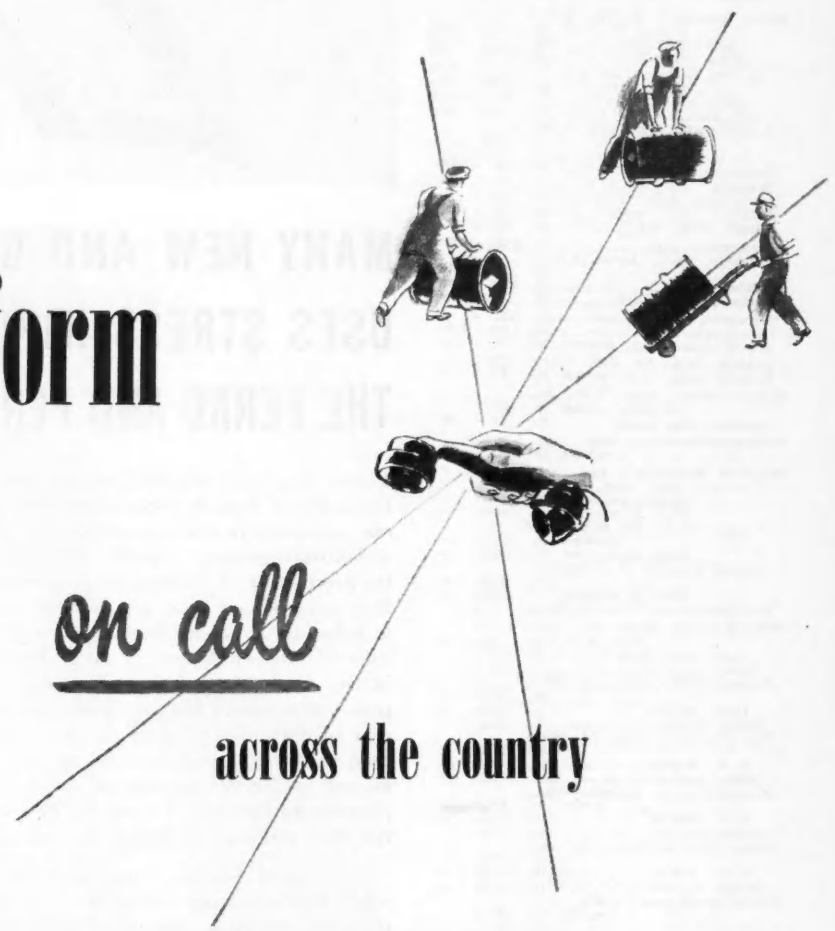
Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base.lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —
Red—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet—
680 Methyl violet base....lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .75 - .80
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls....lb. 1.06 - 1.12
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .85
Elecampane root, bls.....lb. .55 - .60
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .55 - .56
select, bndls.....lb. .55 - .56

ONE OF 96 DOW CHEMICALS USED BY THE PHARMACEUTICAL INDUSTRY

Chloroform



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Wherever you are in the United States, look to Dow to meet your Chloroform requirements! Throughout the nation, users of both the U.S.P. and Technical grades rely on Dow for uniform product quality and fast delivery service.

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Pharmaceutical *Chemicals*

DOW

CHEMICALS INDISPENSABLE TO INDUSTRY

Emetine hydrochloride, bots.	oz.	44.50 - 45.00
Ephedra, bls.	lb.	.28 - .30
Ephedrine, natural, USP, anhydrous, bots.	oz.	1.15 - 1.65
Hydrochloride, tins.	oz.	.95 - 1.45
Sulphate, tins.	oz.	.95 - 1.45
Synthetic, USP, anhydrous, bots. 100 ozs.	oz.	.65 - —
hydrous, bots., 100 ozs.	oz.	.65 - —
Hydrochloride, tin, 100 ozs.	oz.	.50 - —
Sulphate, cryst., tins, 100 ozs.	oz.	.48 - —
Epinephrine, swoth., USP, bots.	gram.	.75 - —
Epsom salt, tech., cryst., bgs., c.l. 100 lbs.		1.80 - 1.95
l.c.l. 100 lbs.		2.15 - 2.40
dried, bgs.	lb.	.02½- —
l.c.l., bgs.	lb.	.04 - .07
USP, cryst., bgs., c.l. 100 lbs.		2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs.		2.25 - —
smaller lots. 100 lbs.		2.50 - —
bbls., c.l. 100 lbs.		2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs.		2.35 - —
smaller lots. 100 lbs.		2.60 - —
kgs., c.l. 100 lbs.		2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs.		2.60 - —
smaller lots. 100 lbs.		2.85 - —
Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.		
Ergot, USP, cs.	lb.	1.15 - 1.20
Eserine, bots.	oz.	No prices
Sulphate, 1-gram. vials.	vial.	2.10 - —
Ether, acetic (see Ethyl acetate).		
Amyl (see Amyl ether).		
Butyl, l.c.l., dms., dlvd.	lb.	.30 - —
Ethyl (see Ether, sulphuric).		
Nitrous, conc., bot., 100 lbs.	lb.	.93 - 1.10
Sulphuric, conc., dms.	lb.	.11 - .16
USP anesthesia, hospitals, 1-lb. cns.	lb.	.60 - .61
Synthetic, dms., c.l., wks.	lb.	.14½- —
l.c.l., works	lb.	.15½- —
tanks	lb.	.12¾- —
Ethyl acetate,[2] 85-90%, dms., c.l., frt. alld.	lb.	.1050- .1200
l.c.l., frt. alld.	lb.	.1100- .1250
tanks, frt. alld.	lb.	.0950- .1100
95-98%, dms., c.l., frt. alld.	lb.	.1075- .1275
l.c.l., frt. alld.	lb.	.1125- .1325
tanks, frt. alld.	lb.	.0975- .1175
NF, dms.	lb.	.14¼- .15½
Acetoacetate, dms., c.l., works.	lb.	.37½- —
l.c.l., frt. alld.	lb.	.38 - —
Benzoate, bots.	lb.	.90 - 1.00
Bromide, tech., dms.	lb.	.50 - .55
Carbamate, dms., dlvd. E.	lb.	.58 - —
Chloride, tech., dms.	lb.	.18 - .20
USP, bbls., cyl.	lb.	.20 - .22
Cinnamate, cns.	lb.	3.25 - 3.90
Fermate, dms., Agnue, Calif.,	lb.	.26 - .32
Iodide, bots.	lb.	3.50 - 3.60
Lactate, dms., works	lb.	.33½- .39½
Myristate, dms., works	lb.	.55 - —
Oenanthate, dms.	lb.	1.50 - 1.75
Oleate, dms., l.c.l., works	lb.	.47 - —
Oxalate, dms., frt. alld.	lb.	.33 - —
Silicate, dms., l.c.l., works	lb.	.77 - —
Ethylcellulose,[3] pkgs., 5,000 lbs. or more, works	lb.	.50 - —
smaller lots, works	lb.	.52 - .60
Ethyldiethanolamine, dms., l.c.l., works	lb.	.80 - —
Ethylene dichloride,[4] dms., c.l., works, frt. alld. E. of Rockies, frt. alld.	lb.	.0842- —
West of Rockies	lb.	.0891- —
l.c.l., works, frt. alld. E. of Rockies	lb.	.0891- —
West of Rockies	lb.	.0941- —
tanks, frt. alld. E. of Rockies,	lb.	.0743- —
West of Rockies	lb.	.0792- —
Trichloride (see Trichloroethane).		
Ethyleneglycol, dms., c.l., frt. alld. in E.	lb.	.10 - —
l.c.l., same basis	lb.	.11 - —
tanks, same basis	lb.	.09 - —
Monobutylether, dms., c.l., wks.	lb.	.17½- —
l.c.l., works	lb.	.18½- —
tanks, works	lb.	.16½- —
Monoethylether, dms., c.l., wks.	lb.	.15½- —
l.c.l., works	lb.	.16½- —
tanks, works	lb.	.14½- —
Monoethylether acetate, dms., c.l., works	lb.	.13½- —
l.c.l., works	lb.	.14½- —
tanks, works	lb.	.12½- —
Monoethylether, dms., c.l., wks.	lb.	.16½- —
l.c.l., works	lb.	.17½- —
tanks, works	lb.	.15½- —
Ethylethanolamine, dms., c.l., works	lb.	.57 - —
l.c.l., works	lb.	.60 - —
Ethylmonoethanolamine, l.c.l., dms., works	lb.	.80 - —
Ethylmorphine hydrochloride, bots.	oz.	10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more	lb.	5.25 - —
smaller lots	lb.	5.30 - 5.40
Eucalyptol, cns., dms.	lb.	2.50 - 2.55
Eucalyptus leaves, bls.	lb.	.10 - .18
Eugenol, cns., dms.	lb.	2.65 - 3.25
Euphorbia, bls.	lb.	.16 - .17

F

Feldspar, enamel, 100 mesh, l.c.l., bgs., min. 2 tons	ton.	17.00 -20.50
bulk c.l.	ton.	14.00 -17.50
Feldspar, glass, 20 mesh, bgs., works, min. 2 tons	ton.	12.75 -16.25
bulk, c.l.	ton.	9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons	ton.	20.00 -22.00
bulk, c.l., works	ton.	17.00 -19.00
Fennel seed, Argentine, bgs.	lb.	.19½ Nom.
Indian, bgs.	lb.	.16½ Nom.
Fenugreek, domestic, bgs.	lb.	.13½- .14
Indian, bgs.	lb.	No stocks
Morocco, bgs.	lb.	.07¾- .08¼
Ferric sulphate, anhyd., bgs., c.l., works	ton.	35.00 - —
l.c.l., works	ton.	40.00 - —
Film scrap, colored, cs., works	lb.	.13½- .15
water-white, cs., works	lb.	.14½- .17
Fir balsam, Canada, cns.	gal.	18.50 -20.00
Oregon, bbls.	gal.	2.45 - 2.50
Fishberries, bgs.	lb.	.24 - .25
Fishliver oils (see Oil, fishliver).		
Fishmeal,[1,7] grd., 60% protein, bgs., E. works	ton.	72.50 - —
66% protein, bgs., E. works.	ton.	78.50 - —
Fishscrap,[7] dried, 50% protein, bulk, East coast	ton.	66.50 - —
Flake, white, bbls.	lb.	.09 - —
kegs	lb.	.11 - —
Fleaseed, dom., French-type, bgs.	lb.	.62 - .64
French, black, bgs.	lb.	No stocks
Indian, blonde, bgs.	lb.	.18½- .22
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines.	net ton.	37.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines.	ton.	33.00 - —
65%, c.l., bulk, mines.	ton.	32.00 - —
60%, c.l., bulk, mines.	ton.	31.00 - —
less than 60%, c.l., bulk, mines.	ton.	30.00 - —
Formaldehyde,[2] bbls., c.l., works.	lb.	.0520- —
l.c.l., works	lb.	.0670- —
dms., extra, c.l., works	lb.	.0460- —
l.c.l., works	lb.	.0510- —
tanks, works	lb.	.0320- —
tanktrucks, dlvd. N.Y.C.	lb.	.0345- —
Fringetree bark, bls.	lb.	.55 - .56
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines.	ton.	8.50 -15.00
Tex. mines.	ton.	12.50 - —
spent, bulk, Bayonne.	ton.	3.00 - —
Chicago	ton.	4.00 - —
imp., bgs., c.l.	ton.	30.00 -40.00
Furfural, ref., dms., c.l., works.	lb.	.15½- —
cns., dms., l.c.l., works.	lb.	18½- .25½
tech., dms., c.l., works.	lb.	.13 - —
l.c.l., cns., dms.	lb.	.15½- .20½
tanks, works	lb.	.09½- —
Fusel oil, crude, dms., works.	gal.	.75 - —
refd., dms., dlvd.	lb.	.18½- .19½
Fustic extract, cryst., No. 1, bbls., l.c.l.	lb.	.35 - —
No. 1A, bbls., l.c.l.	lb.	.34 - —
No. 2, bbls., l.c.l.	lb.	.33 - —
No. 3, bbls., l.c.l.	lb.	.31 - —
liquid, No. 0, bbls., l.c.l.	lb.	.19 - —
No. 1, bbls., l.c.l.	lb.	.17½- —
No. 2, bbls., l.c.l.	lb.	.16½- —
No. 3, bbls., l.c.l.	lb.	.14 - —
solid, No. 1, bxs., l.c.l.	lb.	.29¾- —

G

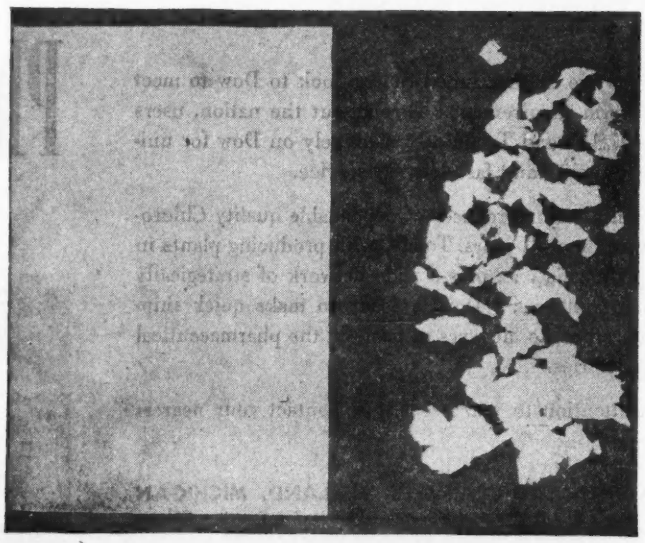
G salt, bbls.	lb.	.45 - —
Galangal root, bls.	lb.	.34 - .35
Gambier, cube, Singapore, cs.	lb.	No stocks
Extract, bbls.	lb.	No stocks
Gammapicoline, 95%, dms., c.l., works.	lb.	1.35 - —
Gasoline[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks,	gal.	.06 - —
Bayonne, 73-75 oct., tanks.	gal.	.06 - —
Gulf Coast, 73-75 oct., tanks,	gal.	.06 - —
Group 3, 75 oct., tanks.	gal.	.06 - —
Pennsylvania, western, US motor, 70-74 octane, leaded, tanks.	gal.	.0655- .0775
natural, 26/70, Group 3, tanks.	gal.	.04½- .04¾
Gelatin, silver label, ctns., dlvd.	lb.	.99 - .97
export, cs.	lb.	1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.		
Geisemium root, bls.	lb.	No stocks
Gentian root, bls.	lb.	.36 - .38
grd., bbls., bxs.	lb.	.38 - .40
powd., bbls., bxs.	lb.	.39 - .41
Geraniol, 92-96%, cns, dms.	lb.	No prices
Geranyl acetate, cns.	lb.	3.50 - 3.60
Ginger,[1] African, No. 1, bls.	lb.	.15 - .15½
Calicut, bgs.	lb.	.16½- .17
Romeo-type, bgs.	lb.	.16½- .17
Cochin, bleached, bgs.	lb.	.17½- .18
unbleached, bgs.	lb.	.16½- .17
Jamaica, No. 1, bgs.	lb.	.23 - .23½
No. 2, bgs.	lb.	.21½- .22
No. 3, bgs.	lb.	.17½- .18
Rhattoon, bgs.	lb.	.17 - .17½
Glaubers salt, anhyd. (see Soda sulphate).		
cryst., bgs., bbls., works.	100 lbs.	1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest.	lb.	.16 - —
30/58, bgs., c.l., same basis.	lb.	.15½- —
58/82, bgs., c.l., same basis.	lb.	.17 - —
82/108, bgs., c.l., same basis.	lb.	.18½- —
Bone glue, l.c.l. prices 1c. higher than c.l.		
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd.	lb.	.14 - .21¾
122-149, bgs., c.l., dlvd.	lb.	.15 - .23¾
150-177, bgs., c.l., dlvd.	lb.	.16 - .25¼
178-206, bgs., c.l., dlvd.	lb.	.17 - .24½
207-236, bgs., c.l., dlvd.	lb.	.18 - .25¾
237-266, bgs., c.l., dlvd.	lb.	.19 - .26½
267-296, bgs., c.l., dlvd.	lb.	.20 - .27½
297-330, bgs., c.l., dlvd.	lb.	.21 - .28¾
331-362, bgs., c.l., dlvd.	lb.	.22 - .29¼
363-394, bgs., c.l., dlvd.	lb.	.23 - .30¼
395-427, bgs., c.l., dlvd.	lb.	.24 - .31½
428-460, bgs., c.l., dlvd.	lb.	.25 - .32½
461-494, bgs., c.l., dlvd.	lb.	.26 - .33½
495-529, bgs., c.l., dlvd.	lb.	.27 - .34½
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. over bgs.		
Glycerin, crude, saponification, 88%, to refiners, tanks.	lb.	.12¾- —
soaplye, 80%, tanks.	lb.	.11½- —
dynamite, dms., c.l.	lb.	.17½- .18¼
l.c.l.	lb.	.18 - .18¾
tanks	lb.	.17¼- .18
high gravity, dms., c.l.	lb.	.17½- .18¼
l.c.l.	lb.	.18 - .18¾
tanks	lb.	.17¼- .18

LIFE On The

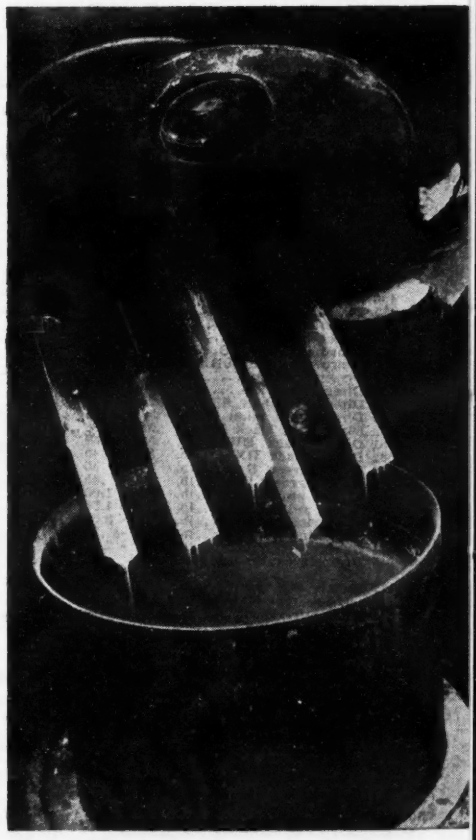
MANY NEW AND DIVERSIFIED USES STRESS IMPORTANCE OF THE FERRO AND FERRI CYANIDES

Yellow Prussiate of Soda (Sodium Ferrocyanide), and Yellow Prussiate of Potash (Potassium Ferrocyanide) are important raw materials in the manufacture of dry colors . . . iron blues and chrome greens . . . used as individual colors or for toning in the production of printing inks, surface coatings, carbon paper, floor coverings, crayon, etc. Soluble iron blues are used widely in coloring of paper. Both Sodium Ferrocyanide and Potassium Ferrocyanide are in large demand as oxygen carriers in the discharge printing of aniline blacks by the so-called prussiate method. They are also used as clarifiers in the production of tartaric and citric acids. Potassium Ferrocyanide is used in foundry practice and in case-hardening of steel files as well as for the coating of speed blue print paper. In the pharmaceutical field, Potassium Ferrocyanide is an important raw material used in the production of certain vitamins.

POTASSIUM SODIUM FERRICYANIDE, better known as REDSOL** CRYSTALS, an exclusive Cyanamid development to replace the wartime scarcity of Red Prussiate of Potash from abroad, has proven of immediate superiority. Principally used for coating blue print paper and in the processing of color picture film, also as a mild oxidizing agent, REDSOL CRYSTALS are more uniform, of higher purity, deliver more ferricyanide per unit, and are more readily soluble due to th fine crystalline form. Ferricyanide radical equiv lent to 103.5% Potassium Ferricyanide. Compl details and technical counsel on applications REDSOL CRYSTALS and the AERO* Brand Pr siates may be obtained by addressing Orga Chemicals Department, American Cyanamid a Chemical Corporation.



(*Below*) It is in modern paint mills such as this that i blues and chrome greens are mixed with other pigme to provide a wide range of tonal values.



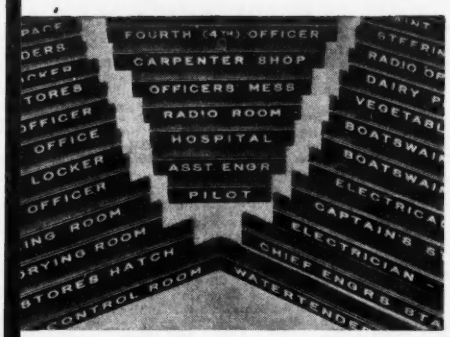
(*Left*) **RELATIVE WET STRENGTH OF MAP PAPER** bonded w melamine resins such as Cyanamid's PAREZ* 607 and si lar paper without resin is shown in tests made by Army Engineers and the National Bureau of Standar These two papers were subjected to exactly the sa treatment . . . soaked in distilled water for 24 hou agitated gently for a few minutes, removed, the exc water squeezed out by hand. The resin treated sh shown at left remained intact while untreated sheet right disintegrated. In addition to improving wet streng of paper this melamine resin also increased dry ten strength and folding endurance.

Glycerin, ref., USP, CP, 95%, dms., c.l.	lb.	.18¼	—
l.c.l.	lb.	.19¾	—
tanks	lb.	.18	—
B. P., 98%, dms., c.l.	lb.	.18¾	—
l.c.l.	lb.	.19¼	—
tanks	lb.	.18½	—
yellow, distilled, dms., c.l.	lb.	.17¾	—
l.c.l.	lb.	.18½	—
tanks	lb.	.17¾	—
Glycine, USP, bbls., tins	lb.	1.25	1.30
Glycol boriborate, dms.	lb.	.22	—
Stearate, dms.	lb.	.26	—
Gold chloride, acid-brown, bots.	oz.	20.75	21.00
acid-yellow, bots.	oz.	18.75	19.00
Gold-soda chloride, photo., bots.	oz.	13.00	—
USP IX, bots.	oz.	14.50	14.75
Goldenseal root, bls.	lb.	8.25	8.35
powd., bxs.	lb.	8.50	8.60
Gold of pleasure seed, bgs.	lb.	No stocks	
Grains of paradise, bgs.	lb.	.30	.37
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse.	lb.	.04½	—
70-75%, bgs., same basis.	lb.	.05	—
75-80%, bgs., same basis.	lb.	.05½	—
80-85%, bgs., same basis.	lb.	.06	—
85-90%, bgs., same basis.	lb.	.07	—
90% and up, same basis.	lb.	.08	—
Grease, house,[1,7] loose	lb.	.03¾	—
White, choice, loose	lb.	.03¾	—
Wool (see Adeps lanae and Degras).			
Green, brilliant,[1] thioflavin toner, molybdic, kgs., works	lb.	3.25	—
tungstic, kgs., works	lb.	3.75	—
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.25	—
15%, bbls., same basis	lb.	.25	—
20%, bbls., same basis	lb.	.25½	—
21-25%, bbls., same basis.	lb.	.26	—
26-30%, bbls., same basis.	lb.	.26½	—
31-35%, bbls., same basis.	lb.	.27½	—
36-40%, bbls., same basis.	lb.	.29	—
41-45%, bbls., same basis.	lb.	.30½	—
46-50%, bbls., same basis.	lb.	.33	—
reduced color, 5%, bbls., same basis.	lb.	.06¾	—
9-10%, bbls., same basis.	lb.	.07½	—
11-13%, bbls., same basis.	lb.	.08	—
14-16%, bbls., same basis.	lb.	.08½	—
17-19%, bbls., same basis.	lb.	.08½	—
20-21%, bbls., same basis.	lb.	.08¾	—
22-23%, bbls., same basis.	lb.	.09	—
24-25%, bbls., same basis.	lb.	.09¼	—
26-27%, bbls., same basis.	lb.	.09½	—
28-29%, bbls., same basis.	lb.	.10	—
30-31%, bbls., same basis.	lb.	.10½	—
32-33%, bbls., same basis.	lb.	.12	—
34-35%, bbls., same basis.	lb.	.12	—
36-40%, bbls., same basis.	lb.	.14	—
41-45%, bbls., same basis.	lb.	.17	—
46-50%, bbls., same basis.	lb.	.17½	—
51-55%, bbls., same basis.	lb.	.18	—
56-60%, bbls., same basis.	lb.	.18½	—
61-65%, bbls., same basis.	lb.	.19	—
70%, bbls., same basis.	lb.	.20	—
71-75%, bbls., same basis.	lb.	.21	—

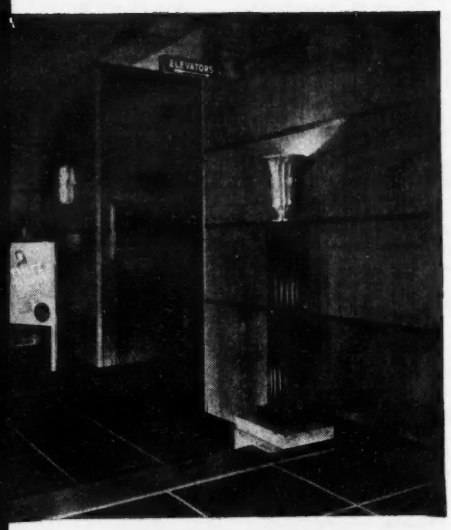
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalised with Chicago.

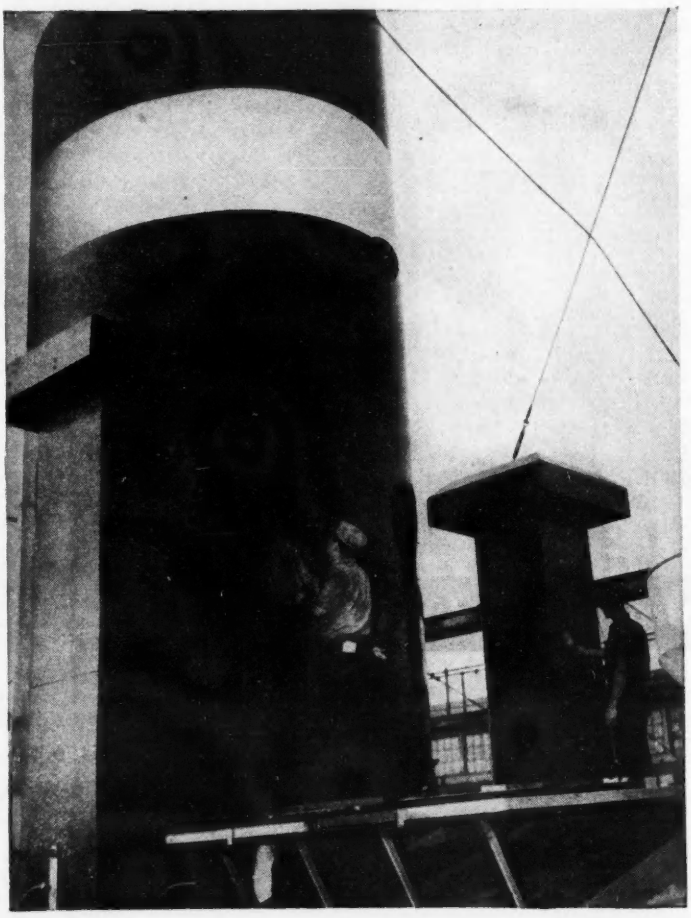
Green, chrome oxide, pure, dms., wks.	lb.	.24	—
Malachite, thioflavin toner, molybdic, bbls., works.	lb.	3.00	—
tungstic, bbls., works.	lb.	3.50	—
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide), bbls., works.	lb.	.85	—
toner, bbls., works.	lb.	4.00	5.00
Paris (see P).			
Tungstated, brilliant, kgs.	lb.	3.00	—
emerald, kgs.	lb.	2.00	—
Verdigris (see V).			
Green dyes (see Dyes, coaltar)			
Grindelia robusta, bls.	lb.	.21	.23
Guaiac, resin, cs.	lb.	.26	.32
Wood, bls.	lb.	.06	.08
Guaiacol, liquid, fib. dms.	lb.	1.75	2.01
Carbonate, dms.	lb.	2.40	2.74
Guanidin carbonate,[1] bbls., c., works.	lb.	.57	—
l.c.l., works.	lb.	.58	.73½
Guarana, powd., cs.	lb.	2.00	2.10
Gum accroides (see Gum, yacca).			
Aloe (see A).			
Ammoniac, tears, cs.	lb.	.90	.98
Arabic, amber, sorts, bgs.	lb.	.11½	.12
white, sorts, 1, bgs.	lb	.28	.30
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, artificial, ons.	lb.	1.75	2.35
Siam, cs.	lb.	3.00	3.50
Sumatra, cs.	lb.	.52	1.00
Camphor (see C).			
Gum, copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse.	lb.	.55¾	—
31, bgs., c.l., same basis,	lb.	.21½	—
32, bgs., c.l., same basis,	lb.	.16¾	—
33, bgs., c.l., same basis,	lb.	.14¾	—
34, bgs., c.l., same basis,	lb.	.09¾	—
35, bgs., c.l., same basis,	lb.	.15¾	—
36, bgs., c.l., same basis,	lb.	.12¾	—
37, bgs., c.l., same basis,	lb.	.18¾	—
38, bgs., c.l., same basis,	lb.	.12¾	—
39, bgs., c.l., same basis,	lb.	.10¾	—
40, bgs., c.l., same basis,	lb.	.06½	—
41, bgs., c.l., same basis,	lb.	.11¾	—
unsorted, No. 1, bgs., same basis.	lb.	.15¾	—
2, bgs., c.l., same basis.	lb.	.12½	—
3, bgs., c.l., same basis.	lb.	.12½	—
FAD, bgs., c.l., same basis,	lb.	.15¾	—
East India,[1] Batu, bold, scraped, c.l., same basis.	lb.	.10½	—
unscraped, same basis.	lb.	.09	—
chips, same basis.	lb.	.05¾	—
dust, same basis.	lb.	.05½	—
Momboyo, No. 1, bgs., c.l., ex dock or port, whse.	lb.	.13¾	—
nubs and chips, same basis,	lb.	.06¾	—
black, bold, scraped, bgs.,	lb.	.12	—
unscraped	lb.	.07½	—
nubs and chips, same basis.	lb.	.07¼	—
pale, Hire-Macassar,[1] bold, bgs., c.l., same basis.	lb.	.17¾	—
chips, same basis.	lb.	.11½	—
dust, same basis.	lb.	.05½	—
nubs, same basis.	lb.	.13¾	—
Singapore, Rasak, bold, bgs., same basis.	lb.	.23¾	—
chips, same basis.	lb.	.11¾	—
dust, same basis.	lb.	.05½	—
nubs, same basis.	lb.	.16¾	—
Macassar,[1] dust., bgs., c.l., same basis.	lb.	.07¾	—
MA, same basis.	lb.	.09¾	—
MB, same basis.	lb.	.09½	—
WS, bgs., same basis.	lb.	.11¾	—
Manila, Boeas,[1] hard, bold, amber, light, bakts., c.l., same basis.	lb.	.12½	—
dark, light, same basis.	lb.	.14½	—
white, same basis.	lb.	.15½	—
Loba,[1] A, bgs., c.l., same basis.	lb.	.14	—
B, same basis.	lb.	.13¾	—
C, same basis.	lb.	.13¾	—
CBB, same basis.	lb.	.12	—
CNE, same basis.	lb.	.10	—
D, same basis.	lb.	.12¾	—
DBB, same basis.	lb.	.11	—
DK, same basis.	lb.	.09½	—
DU, same basis.	lb.	.08¾	—
dust, same basis.	lb.	.07¾	—
WB, same basis.	lb.	.09¼	—
WS, same basis.	lb.	.11¾	—
Manila-Singapore,[1] white split chips, bgs., c.l., same basis.	lb.	.13½	—
dust, same basis.	lb.	.07¾	—
whse., entry point, c.l.	lb.	.06¾	—
Philippine,[1] Manila, extra bold and bold, pale, scraped, bakts., same basis.	lb.	.15	—
extra bold, sorts, bgs., c.l., same basis.	lb.	.12¾	—
pale chips, bold, same basis,	lb.	.13	—
nubs, WCB, same basis.	lb.	.13¾	—
seeds, dust, same basis.	lb.	.09¾	—
SG, same basis.	lb.	.10¼	—
small chips, same basis.	lb.	.11¾	—
Pontianak, bold, scraped, bgs., c.l., same basis.	lb.	.23¾	—
mixed, same basis.	lb.	.17¾	—
chips, small, same basis.	lb.	.12¾	—
cuttings of split, same basis,	lb.	.19½	—
nubs, same basis.	lb.	.18	—
Gum copal, l.c.l., prices ½c. to ½c. higher			
Dammar,[1] Batavia, A, cns., c.l., same basis.	lb.	.35¾	—
A/C, same basis.	lb.	.31¾	—
A/D, same basis.	lb.	.29¾	—
A/E, same basis.	lb.	.25¾	—
B, same basis.	lb.	.34¾	—
C, same basis.	lb.	.28¾	—
D, same basis.	lb.	.25¾	—
E, same basis.	lb.	.18¾	—
F, same basis.	lb.	.13¾	—
dust, same basis.	lb.	.13¾	—
Singapore,[1] No. 1, c.a., c.l.	lb.	.30¾	—
2, bgs., same basis.	lb.	.25	—
3, bgs., same basis.	lb.	.12¾	—
chips, cs., same basis.	lb.	.23½	—
dust, bgs., same basis.	lb.	.13	—
seeds, cs., same basis.	lb.	.17¾	—
Gum, dammar, l.c.l., prices ¼c. to ½c. higher.			
Elemi,[1] cns., c.l., ex dock or whse. entry port.	lb.	.09½	.09¾
Ester, gum-rosin, type[1,4] dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.	lb.	.1300	—
l.c.l., dlvd. Ill., etc.	lb.	.1325	—
other points, same basis.	lb.	.1400	—
wood-rosin type (formerly designated as "ordinary"), dms., c.l., dlvd. Ill., Ind., etc.	lb.	.1050	.1075
Euphorbium, cs.	lb.	1.50	Nom.
Galbanum, cs.	lb.	1.00	1.05
Gamboge, pipe, cs.	lb.	No stocks	
powd., bbls.	lb.	No stocks	
Ghatti, bgs.	lb.	No stocks	
Guaiac (see Guaiac resin).			
Karaya, bbls., bxs., dms.	lb.	.18	.46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse.	lb.	.18	—
dust, same basis.	lb.	.12½	—
nubs, same basis.	lb.	.24	—
No. 1, extra, same basis.	lb.	.34	—
superior, same basis.	lb.	.31	—
No. 2, extra, same basis.	lb.	.30	—
superior, same basis.	lb.	.27½	—
No. 3, same basis.	lb.	.23	—
x, same basis.	lb.	.34	—
2x, same basis.	lb.	.49	—
3x, same basis.	lb.	.77	—
bush, assorted, same basis.	lb.	.35	—
bold, same basis.	lb.	.40	—
bright, same basis.	lb.	.18	—
chips, same basis.	lb.	.32	—
dark, same basis.	lb.	.18	—
white, chips, pale, same basis.	lb.	.20¾	—
dust, pale, same basis.	lb.	.20¾	—
extra, same basis.	lb.	.25½	—

Chemical Newsfront



MELAMINE RESINS COME HOME FROM WAR many architectural and decorative uses for plastic inated sheets are being realized. Potential designs colors are unlimited, and uses vary from wall, r, counter, and tabletop panels (see above), or er architectural facings, to fluorescent dials, wir- diagrams and nameplates (see below). Lami- es made of paper impregnated with Cyanamid's LMAC* laminating resins have extreme surface dness, high heat resistance, good dielectric strength, or stability, and are non-inflammable. Since LMAC resins are colorless, a great variety of color design can be incorporated into the laminates as ets are assembled for curing.





(*Above*) **ONE OF THE FIRST SHIPS TO SAIL IN PEACETIME COLORS** is the *Alden Besse*, merchant vessel of the Grace Line. Wartime gray disappeared behind the broad green, white, and black stripes of the funnel, black hull, and glistening white superstructure. Out of Cyanamid's war experience has come improved protective and decorative coatings which will be evident as the bright, familiar colors return to the world's seaports, highways and homes. Now, through the use of synthetic resins, such as Cyanamid's REZYL*, TEGLAC*, BEETLE*, MELMAC*, and PHENAC** resins, specialized finishes have been developed for the paint industry having greater permanency and durability at faster timing schedules for more economical production.

*Reg. U. S. Pat. Off. **Trade-Mark

American Cyanamid & Chemical Corporation

A Unit of American Cyanamid Company

30 ROCKEFELLER PLAZA . NEW YORK 20, N. Y.

Gum, kauri, white, extra, No. 1, same basis....lb. .45 - —
No. 2, same basis....lb. .31 - —
No. 3, same basis....lb. .30 - —
superior No. 1, same basis, lb. .41 - —
No. 2, same basis....lb. .31 - —
No. 3, same basis....lb. .22 - —
5x, same basis....lb. .65½- —
4x, same basis....lb. .66 - —
6x, same basis....lb. 1.50 - —
Gum kauri, l.c.l., prices are ½c. to ½c. higher.
Locust bean, powd., bbls....lb. .60 - .65
Mastic, cs....lb. 5.00 Nom.
Myrrh, cs....lb. .48 - .50
Olibanum, siftings, cs....lb. .12 - .18
tears, cs....lb. .21 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks....lb. .97½- .99½
Scammony, cs....lb. 1.80 - 1.85
Talha, bgs....lb. .10 - .11
Tragacanth, No. 1, cs....lb. 3.80 - 3.90
No. 2, cs....lb. 2.75 - 3.30
No. 3, cs....lb. 2.15 - 2.60
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.20.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.20.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Gypsum, plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equal. ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y.; works..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla., works, ton.12.00 - —

H

Hawthorn berries, bgs....lb. .57 - .60
Heliotropin, cryst., cns....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls....lb. 2.50 - 2.75
Hematine extract, cryst., No. 0, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l....lb. .40 - —
No. 1A, bbls., l.c.l....lb. .37 - —
No. 2, bbls., l.c.l....lb. .36 - —
No. 3, bbls., l.c.l....lb. .34 - —
No. 4, bbls., l.c.l....lb. .33 - —
No. 5, bbls., l.c.l....lb. .30 - —
paste, No. 1, bbls., l.c.l....lb. .17½- —
No. 2, bbls., l.c.l....lb. .16½- —
No. 3, bbls., l.c.l....lb. .15½- —
red, No. 4, bbls., l.c.l....lb. .14½- —
Hemlock bark extract,[1,9] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works....lb. No stocks
Henbane leaves, bls....lb. 1.35 - 1.50
Henna leaves, bls....lb. .16 - .17
powd. bbls., bxs....lb. .21 - .23
Heptane,[1] 50°-100° C., industrial grade, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3....gal. .19 - —
tanks, Group 3....gal. .10½- —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3....gal. .19 - —
tanks, Group 3....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3....gal. .29 - .55
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3....gal. .19 - —
tanks, Group 3....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammon., bulk, c.l., Chicago..unit-ton. 4.50 - 5.00
Hops, NF, bls....lb. .56 - 1.50
Horehound, bls....lb. .10½- .13
Hydrangea root, bls....lb. No prices
Hydrastine, alkaloid, bots....oz.20.00 -25.00
Hydrochloride, bots....oz.20.00 -22.00
Sulphate, bots....oz.29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms....lb. .90 - .94
Hydroxycitronellal, cns....lb. 5.75 - 5.80
dms., extra, ret'able, divd...lb. 4.50 - —
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots....oz.16.00 -20.00
Hydrobromide, bots....oz.16.00 -20.00
Sulphate, bots....oz.16.00 -20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l....lb. .19 - —
solid, No. 1, bxs., l.c.l....lb. .30 - —
Hyssop, bgs....lb. 1.25 - 1.30

I

Iceland moss, bgs....lb. .50 - .55
Ichthammol, NF, bots....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests....lb. 2.14 - 2.30
synth., paste, bots....lb. .16½- .19
powd., bbls....lb. .74½- .85
Indol, CP, bots....lb.18.00 -23.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars....lb. 1.67 - —
150-lb. kgs....lb. 1.23¾- —
resubl., 5-lb. bots., jars....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or fib. dms....lb. 4.20 - —
Ionone, ketone, bot....lb. 5.00 - 5.50
Methyl, bot....lb. 5.25 - 5.30
Ipecac root, bgs....lb. No prices
powd., bgs....lb No prices
Irish moss, ordinary, bls....lb. .26 - .29
powd., 60-80 mesh, bbls..lb. .32 - .33
prime bleached, bls....lb. .35 - .40
powd., 60-80 mesh, bbls..lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works....100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls....lb. .07 - .08½
solut., 42 Be, cbys., works, frt. alld. or equald...lb. .05¼- .06
djns., same basis....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns....lb. .84 - .87
Glycerophosphate, bbls....lb. 3.30 - 3.40
cns., 25 lbs....lb. 3.52 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.53
Iodide, bots....lb. 3.18 - 3.32
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms....lb. .03½- .04
Oxalate, gran., dms....lb. .83 - .85
powd., cns....lb. .52 - —
kgs....lb. .47 - .49
Phosphate, soluble, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .63
Reduced, 90%, kgs....lb. .63 - .75
Resinate,[4] 7.4% Fe, 100-lb. dms..lb. .17½- —
Sulphate, tech. (see Cooperas, and Ferric sulphate).
USP, cryst., bbls., dms....lb. .06½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scales, dms....lb. .49 - .53
Oxalate, bbls....lb. .23½- —
dms., kgs....lb. .25½- .26½
Iron-soda oxalate, bbls., dms..lb. .23½- .26½
Isobornyl acetate, cns., works.lb. .90 - .95
Isobutyl acetate,[9] dms., works.lb. No prices
Propionate, dms., works....lb. No prices
Isoeugenol, cns., works....lb. 4.05 - 4.25
Isopentane, dms., works....lb. .45 - .55
Isophorone, dms., c.l., works..lb .21 - —
l.c.l., works....lb. .22 - —
tanks, works....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, same basis..lb. .11½- .12
tanks, E. of Rockies, same basis..lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Ether, dms., c.l., divd....lb. .06 - —
l.c.l....lb. .06½- —
tanks, divd....lb. .04½- —
Isopropylamine, dms., works..lb. .35 - —

J

Jaborandi leaves, bls....lb. .09 - .10
Jalap root, NF, bls....lb. .32 - .33
powd., bbls., bxs....lb. .38 - .50
Resin, lump, cns....lb. 5.85 - —
powd., bxs....lb. 5.90 - —
Juniper berries, dom., bgs....lb. .45 - .70
Juniper tar, USP, dms....lb. .80 - 1.00

K

Kalama, cns....lb. .48 - .49
Kaolin (see China clay).
Kava kava root, bls....lb. .25 - .28
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. .04½- —
Bayonne, 41-43 w.w., tanks..gal. .050 - —
California, 40-43 w.w., tanks, gal. .07 - —
Gulf ports, 41-43 w.w., tanks, gal. .04⅝- —
Okla.-Tex., 41-43 w.w., tanks, gal. .04⅝- —
Penn., 45 w.w., tanks....gal. .0642½- .0665
47 w.w., tanks....gal. .0655- —
Kola nuts, bgs....lb. .09 - .10
Kyanite, imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

but you can control the end product!

The mighty forces of nature manifest themselves in violent extremes—from freezing temperatures to humid heat...unpredictable forces that vitally affect everything that grows.

Neither the forces of nature nor their effect on the quality of crude oils can be controlled, but through Filtrol* Adsorbents you can control the quality in your refining process.

When crops are frosted or vary in quality and crude oils become off-color, use Filtrol Adsorbents to counterbalance the effects of nature and balance your runs to uniform top quality.

Special Filtrol is a scientifically controlled and chemically prepared adsorbent. It is "tailor-made" to fit a wide range of oils—press cake losses are cut to the bone—you get more oil per press run—and top quality production is maintained with minimum labor and equipment.

FOR CONTROLLED END PRODUCT QUALITY

Specify Special Filtrol to insure the cleanliness and purity so necessary to modern streamlined bleaching methods, and to insure uniform control of quality in the end product.

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SPECIAL Filtrol

PRODUCTS OF RESEARCH AND DEVELOPMENT

L

Ladyslipper root, bls.	lb.	1.35 - 1.40
Lanolin (see Adeps lanae).		
Lard,[1,7] pure, ref. tres.	lb.	.18@23½- —
prime steam, tres.	lb.	.1448- —
Larkspur seed, bgs.	lb.	1.10 - 1.15
Laurel berries, bls.	lb.	.25 - .26
Leaves, Cyprus, bls.	lb.	.28½- .29½
Greek, bls.	lb.	No stocks.
Portuguese, bls.	lb.	.14 - .15
Turkish, futures, bls.	lb.	.20 - .21
Lavender flowers, medium, bls.	lb.	.75 - .80
ordinary, bls.	lb.	.60 - .65
select, bls.	lb.	.90 - .95
Lead, acetate,[1] white, broken, bbls.	lb.	.12½- —
cryst., bbls.	lb.	.13½- —
gran., powd., bbls.	lb.	.13½- —
Arsenite,[1,6] basic, powder, 8-lb. bgs., or larger, c.l.	lb.	.11½- .12
l.c.l.	lb.	.12 - .12½
1-lb. ctns., c.l.	lb.	.18½- .23½
l.c.l.	lb.	.19 - .23
standard, paste, cns, c.l.	lb.	.05¾- .06
l.c.l.	lb.	.06 - .06¼
powder, 8-lb. bgs., or larger, c.l.	lb.	.11 - .11½
1-lb. bgs., c.l.	lb.	.16 - .20
l.c.l.	lb.	.18½- .20½
1-lb ctns., c.l.	lb.	.19 - .23
l.c.l.	lb.	.18½- .23½
½-lb. ctns., c.l.	lb.	.21 - .25
¼-lb. ctns., l.c.l.	lb.	.21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E.	lb.	.07½- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07¾- —
l.c.l., dlvd. E.	lb.	.07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.08 - —
Carbonate (see Lead, white).		
Chloride, fib. dms.	lb.	.49 - —
Iodide, NF V. bots.	lb.	2.80 - —
jars	lb.	3.00 - —
Linoleate, pale, precip., bbls.	lb.	.22½- —
Metal,[1,8] (see Protective Coatings Materials market).		
Metallic paste, dms., works.	lb.	No stocks.
Naphthenate, 24%-30% Pb.	lb.	.14½- .17½
Nitrate, bbls.	lb.	.12½- —
Oleate, bbls.	lb.	.17¾- —
Peroxide, powd., tech., bbls.	lb.	.23 - .26
Red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼- —
other points	lb.	.09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.09¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.10¼- —
Colo., Mont., N. Mex., Wyo.	lb.	.10 - —
other points	lb.	.09½- —
smaller lots, Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10¾- —
Colo., etc.	lb.	.10½- —
other points	lb.	.10 - —
in oil, kgs.	lb.	.14 - —
97% Pb_3O_4, bbls., c.l., dlvd. Ala., etc.	lb.	.09½- —
other points	lb.	.09¼- —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10 - —
Ariz., etc.	lb.	.10½- —
Colo., etc.	lb.	.10¼- —
other points	lb.	.09¾- —
smaller lots, dlvd. Ala.,	lb.	.10¾- —
Ariz., etc.	lb.	.11 - —
Colo., etc.	lb.	.10¾- —
other points	lb.	.10¼- —
96%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc.	lb.	.09¾- —
other points	lb.	.09½- —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10¾- —
Colo., etc.	lb.	.10½- —
other points	lb.	.10 - —
smaller lots, dlvd. Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.11¼- —
Colo., etc.	lb.	.11 - —
other points	lb.	.10½- —
Resinate,[4] precip., 23.3% Pb., dms.	lb.	.17½- —
Silicate, bgs.	lb.	.0780- .0780
Soyate, 28.15% Pb., dms.	lb.	.22¾- —
Stearate, bbls.	lb.	.31 - .38
Sulphate (see Lead, blue; Lead, white, basic sulphate).		
Tallate, 10% Pb, dms.	lb.	.06½- —
Titanate, bgs., bbls., c.l., works, frt. alld.	lb.	.11 - —
l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11½- —
smaller lots, E. frt. alld.	lb.	.11½- —
Pac. Cst., ex whse.	lb.	.11¾- —
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.08½- —
dlvd. other points	lb.	.08¼- —
l.c.l., dlvd. Ariz., etc.	lb.	.08¾- —
other points	lb.	.08½- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc.	lb.	.07½- —
other points	lb.	.07¾- —
l.c.l., dlvd. Ariz., etc.	lb.	.08 - —
other points	lb.	.07½- —
in oil, consumers, kgs.	lb.	.13¾- .13¾
painters, kgs.	lb.	.12¾- .12¾
Lecithin, edible, dms., c.l.	lb.	.25½- —
l.c.l.	lb.	.26½- .45
in cocoa butter, dms., c.l.	lb.	.39½- —
l.c.l.	lb.	.40¾- .50
tech., dms., c.l.	lb.	.25½- —
l.c.l.	lb.	.26½- .45
vegetable, pure, bots, 100 lbs.	lb.	2.75 - —
Lemon peel, bls.	m.	.30 - .35
Licorice extract, mass, cns.	lb.	.25 - .72
powd., bbls.	lb.	.60 - .88
Root, Indian, bls.	lb.	.12 - .14
powder, bbls.	lb.	.18 - .20
Russian, bls.	lb.	.12 - .16
Spanish, bls.	lb.	.12 - .13
Turkish, bls.	lb.	.12 - .13
Lignin extract, tanning grade, bgs., c.l., works	lb.	.04 - —
Lime, chemical (quicklime) lump, pebble, Adams, Mass.	ton.	8.00 - —
Annville, Pa.	ton.	7.50 - —
Bellefonte, Pa.	ton.	7.50 - —
Berkeley, W. Va.	ton.	7.50 - —
Buffalo, N. Y.	ton.	9.25 - —
Carey, Ohio	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	8.50 - —
Crab Orchard, Tenn.	ton.	6.90 - —
Eagle Mountain, Va.	ton.	7.65 - —
Farnams, Mass.	ton.	8.00 - —
Gibsonburg, Ohio.	ton.	7.50 - —
Hannibal, Mo.	ton.	8.50 - —
Keystone, Ala.	ton.	6.90 - —
Knoxville, Tenn.	ton.	6.90 - —
Limedale, Ark.	ton.	7.00 - —
Longview, Ala.	ton.	6.90 - —
Manistique, Mich.	ton.	8.00 - —
Marblehead, Ohio.	ton.	7.50 - —
Martinsburg, W. Va.	ton.	7.50 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	6.50 - —
Newala, Ala.	ton.	6.90 - —
Ripplemead, Va.	ton.	7.65 - —
Riverton, Va.	ton.	7.65 - —
Rockland, Maine.	ton.	8.00 - —
Scioto, Ohio.	ton.	8.50 - —
Sherwood, Tenn.	ton.	6.90 - —
Sherwood, Wisc.	ton.	8.50 - —
Springfield, Mo.	ton.	7.00 - —
Woodville, Ohio.	ton.	7.50 - —
York, Pa.	ton.	7.50 - —
Hydrated, Adams, Mass.	ton.	9.00 - —
Annville, Pa.	ton.	9.00 - —
Bellefonte, Pa.	ton.	9.00 - —
Berkeley, W. Va.	ton.	9.00 - —
Buffalo, N. Y.	ton.	9.50 - —
Carey, Ohio.	ton.	8.50 - —
Cedar Hollow, Pa.	ton.	10.00 - —
Crab Orchard, Tenn.	ton.	9.65 - —
Eagle Mountain, Va.	ton.	9.15 - —
Farnams, Mass.	ton.	9.00 - —
Lime, hydrated, Gibsonburg, Ohio.	ton.	8.50 - —
Hannibal, Mo.	ton.	8.50 - —
Keystone, Ala.	ton.	10.65 - —
Knoxville, Tenn.	ton.	9.65 - —
LeRoy, Minn.	ton.	10.00 - —
Limedale, Ark.	ton.	9.00 - —
Longview, Ala.	ton.	9.65 - —
Manistique, Mich.	ton.	9.50 - —
Marblehead, Ohio.	ton.	9.50 - —
Martinsburg, W. Va.	ton.	9.00 - —
Mitchell, Ind.	ton.	9.00 - —
Mitchell, Ind.	ton.	9.00 - —
Newala, Ala.	ton.	9.65 - —
Petoskey, Mich.	ton.	9.00 - —
Port Island, Mich.	ton.	9.00 - —
Rapid City, S. Dak.	ton.	12.00 - —
Rippliemead, Va.	ton.	9.15 - —
Rockland, Maine.	ton.	9.00 - —
Scioto, Ohio	ton.	8.00 - —
Sherwood, Tenn.	ton.	10.65 - —
Sherwood, Wisc.	ton.	10.00 - —
Springfield, Mo.	ton.	9.00 - —
Woodville, Ohio.	ton.	8.50 - —
York, Pa.	ton.	9.00 - —
Spray, paper bgs., Adams, Mass.	ton.	10.00 - —
Annville, Pa.	ton.	10.00 - —
Bellefonte, Pa.	ton.	10.00 - —
Carey, Ohio.	ton.	11.00 - —
Farnams, Mass.	ton.	9.50 - —
Gibsonburg, Ohio	ton.	10.00 - —
Marblehead, Ohio.	ton.	10.00 - —
Rockland, Maine.	ton.	10.00 - —
Scioto, Ohio.	ton.	10.00 - —
Woodville, Ohio.	ton.	10.00 - —
York, Pa.	ton.	10.00 - —
Lime salts (see Calcium).		
Lime-ammonia-nitrogen[9] 20.5% N. (see Ammonia nitrate-limestone).		
Linalool, cns.	lb.	7.75 - 7.80
Linalyl acetate, ex lignalee wood, bots.	lb.	3.25 - 3.40
ex petitgrain, bots.	lb.	3.75 - 3.90
Linden flowers with leaves, bls.,	lb.	.85 - .90
Linseed meal,[1,7] 34%, bulk, c.l.	ton.	43.00 - —
32%, bulk, c.l.	ton.	43.00 - —
Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash.	lb.	.08¼- —
other points	lb.	.08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼- —
Colo., Mont., N. Mex., Wyo.	lb.	.08 - —
other points	lb.	.08½- —
smaller lots, dlvd. Ala., etc.	lb.	.08¾- —
Ariz., etc.	lb.	.09¾- —
Colo., etc.	lb.	.09½- —
other points	lb.	.09 - —
Lithium carbonate, NF, bbls., kgs.	lb.	1.25 - 1.30
Bromide, bbls., 100-lb. lots, works, frt. equald.	lb.	1.20 - —
smaller lots, works.	lb.	1.22 - 1.25
Chloride, jars.	lb.	1.65 - 1.70
Citrate, bbls., dms., kgs.	lb.	1.40 - 1.41
Fluoride, bbls.	lb.	2.45 - 2.60

Hooker Aliphatic Chlorides for a Variety of Uses...

HERE are some new open chain chlorides developed by Hooker. They show such varied characteristics and properties that among them may be the chemical that has potentialities for your particular project. A few of these chemicals are so new that we are able to supply them only in pilot plant quantities at the present time. Where demand warrants, production can be quickly stepped up to meet your needs.

Free Technical Data Sheets and samples of any of these Hooker Chemicals will be supplied when requested on your business letterhead. Our Technical Staff is also always on call for assistance in appraising the value of Hooker Chemicals in meeting your specific needs.

PRODUCT *Formula; Molecular Wt.*	DESCRIPTION (Sp. Gr. 15.5°/15.5°C)	SUGGESTED USES	AVAILABILITY
Chlorpropane Liquid 170 $C_3H_{1.6}Cl_6$(aver.); 268	Clear, colorless liquid. Sp. Gr. 1.725±.025 B.R. 195° to 260°C. Insoluble in water, soluble in alcohol, ether and most chlorinated solvents. Resistant to oleum, mixed acids, fuming nitric acid, and hydrogen fluoride.	Plasticizer, solvent, paint softener, insecticide, rubber and plastic modifier.	Pilot plant quantities.
Chlorinated Paraffins CP-20	Amber colored, viscous liquid, 42% chlorine.	Ingredients of compositions for flame, water and mildew proofing textiles. Ingredient of fireproof paints and other compositions. Plasticizers for various resins and polymers.	55-gal. drums containing 525 lbs.
CP-70	Amber colored resin, 70% chlorine. Powdered.		Fibre drums containing 150 lbs.
Chlorpropane Wax 130 $C_3H_{0.16}Cl_{7.88}$(aver.); 311	Tough, white crystalline wax. M.R. 110° to 155°C. B.R. 210° to 270°C. Insoluble in water, soluble in alcohol, ether and most chlorinated solvents. Resistant to oleum, mixed acids, fuming nitric acid, and hydrogen fluoride.	Plasticizer, dielectric wax, ingredient of pyrotechnic compositions, chemically resistant lubricant.	Pilot plant quantities.
Hexachlorbutadiene $CCl_2=CCl\cdot CCl=CCl_2$; 260.7	Clear, colorless liquid. Sp. Gr. 1.675±.025 B.R. 210° to 220°C.	Solvent for natural rubber, synthetic rubber and other polymeric substances, high boiling non-flammable solvent, non-flammable heat transfer liquid, transformer fluid and hydraulic fluid.	Pilot plant quantities.
Isopropyl Chloride $CH_3CHClCH_3$; 78.5	Clear, colorless liquid. Sp. Gr. 0.867±.003 B.R. 5° incl. 35.4°C.	Manufacture of rubber chemicals and other synthetic chemicals; as a solvent. Intermediate for insecticides and antiseptics.	5-gal. cans containing 35 lbs. 55-gal. drums containing 375 lbs.
Lauryl Chloride, Tech. $C_{12.6}H_{26.2}Cl$(aver.); 213.2	White to amber colored oily liquid. A mixture of n-alkyl chlorides, typical chlorine content is 16%. Insoluble in water, soluble in most organic solvents.	Intermediate in production of various esters, mercaptans and sulfides. Manufacture of detergents.	55-gal. drums containing 375 lbs.
Lauryl Pyridinium Chloride, Tech. $C_5H_5N(C_{12.6}H_{26.2})$ Cl; 291.9	Yellow-gray semisolid, soluble in water.	Cationic detergent in rayon industry. Manufacture of bactericidal and germicidal solutions.	Barrels containing 100 and 375 lbs.

HOOKER RESEARCH *Presents*

TRICHLORCUMENE

$(CH_3)_2CHC_6H_2Cl_3$

The characteristics and properties of this chlorinated hydrocarbon indicate a wide spread utility in many different applications. Trichlorcumene (Isopropyl Trichlorbenzene), a mixture of isomers, is a colorless liquid with a mild aromatic odor. Of particular interest are its extremely low solubility in water, its high degree of resistance to oxidation and hydrolysis, and its unusual dielectric properties. Miscible with most common organic solvents. F. R. –30° to –45°C. B. R. 245° to 265°C. Trichlorcumene is suggested for use as hydraulic fluid, transformer, and dielectric fluids, anti-freeze additive for hydraulic, dielectric and heat transfer fluids, solvent for fats, oils, waxes, coal tar dyes, asphalts; solvent, diluent, and plasticizer for protective coating and insulating compositions; ingredient of insecticidal compositions, paint and varnish removers, paints, solvents and plastics. Write for technical data sheet No. 347 describing more completely its physical properties.

HOOKER CHEMICALS

ARMY E NAVY

HOOKER ELECTROCHEMICAL COMPANY

1 Forty-seventh St. Niagara Falls, N. Y.

New York, N. Y. • Wilmington, Calif. • Tacoma, Wash.

8350

Caustic Soda · Muriatic Acid · Sodium Sulfide
Paradichlorbenzene · Chlorine · Sodium Sulfhydrate

Lithium, hydroxide, jars.....lb. 1.25 - 1.46
Iodide, bots.....lb. 5.20 - —
jars.....lb. 5.05 - —
Stearate, fib. dms., 3 tons, works..lb. 50 - —
Lithopone,[1,4] ordinary, bgs., c.l. (20 tons)..lb. .04¼- —
l.c.l. .....lb. .04½- —
bbls., c.l.....lb. .04½- —
l.c.l. .....lb. .04¾- —
Titanated,[6] (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., divd. Pac. Cst., ¼c. higher; l.c.l. ex. whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .65 - .66
Lobelia herb, bls.....lb. 1.10 - 1.15
Lobeline sulphate, bots., wks..oz. 25.50 -38.00
Logwood extract, crystals. No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l.....lb. .15 - —
solid, No. 1, bgs., l.c.l....lb. .28 - —
No. 2, bxs., l.c.l.....lb. .26 - —
No. 3, bxs., l.c.l.....lb. .23½- —
No. 4, bxs., l.c.l.....lb. .23 - —
No. 5, bxs., l.c.l.....lb. .21½- —
No. 6, bxs., l.c.l.....lb. .20½- .44½
Lovage, American (ligusticum actae folium), root, bls..lb. 1.20 - 1.80
Lupulin, NF, 1944 crop, tin..lb. 12.75 -13.00
Lycopodium, USP, cs.....lb. 1.25 - 1.60

M

Mace,[1,7] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1.....lb. .07¼- —
bbls., c.l., Zone 1.....lb. .07½- —
l.c.l., Zone 1.....lb. .08½- —
kgs., c.l., Zone 1.....lb. .08¾- —
l.c.l., Zone 1.....lb. .09¼- —
USP, bgs., c.l., Zone 1....lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08½- —
l.c.l., Zone 1.....lb. .09½- —
kgs., c.l., Zone 1.....lb. .09¾- —
l.c.l., Zone 1.....lb. .10¾- —
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ¼c. lower, Zone 2, store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.
Chloride, anhyd., bbls., divd.lb. .12¾- —
flake, bbls., c.l., works...ton. 32.00 - —
l.c.l., works.....ton. 39.00 -42.00
Fluoride, bbls.....lb. .20 - .21
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .36
Oxide (see Magnesia, calcined)
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Magnesia, silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, ctns.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton. 68.75 - —
dead-burnt,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton. 22.00 -32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l. .....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.80 - 1.85
Leaves, bls.....lb. .43 - .44
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .33 - .34
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12¾
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls.....lb. .15 - .18
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton. 74.00 - —
smaller lots, works.ton. 77.00 -82.00
Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 - —
smaller lots, works..ton. 77.00 -82.00
burlap bgs., c.l., works, ton. 71.75 - —
l.c.l., works.....ton. 74.75 -79.75
paper bgs., c.l., works.ton. 70.00 - —
l.c.l., works.....ton. 73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., divd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.55 - —
Manganese, linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate,[6] 6% Mn, dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works, lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., divd. East..ton. 39.50 - —
l.c.l., same basis, or Balto. or Cincinnati... ton. 66.50 - —
industrial grade, 80%, bgs..lb. .05 - .05¾
Tallate, 4% Mn, dms.....lb. .09 - —
Mangrove bark,[1,6] E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton. 67.50 - —
Manna, flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .35 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .34 - .38
Chilean, bls.....lb. .13½- .14
Matico leaves, bls.....lb. .32 - .39
Menadione, USP, bots.....gram. .10 - —
Menthol, natural, USP, cns...lb. 4.75 - 5.00
synthetic, tech., cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 4.00 - 4.65
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .75
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.68 - 1.80
Mercury bichromate[3] (see Corrosive sublimate).
Bisulphate,[3] dms.....lb. 2.59 - 2.61
Chloride,[3] (see Calomel).
Cyanide,[3] cryst., powd.....lb. 2.86 - —
Iodide,[3] red, NF, dms., kgs..lb. 4.20 - —
yellow, fib. dms., kgs.....lb. 4.36 - —
Nitrate ointment (see Citrine ointment).
Oxide,[3] red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk,[3] dms. ..lb. 1.66 - 1.70
Mesityl oxide, dms., c.l., divd..lb. .11½- —
l.c.l., divd.....lb. .12 - —
tanks, divd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3¾x3¾ in., pkg. 15.00 - —
Silver, 2¾x2¾ in.....pkg. 2.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R. gal. .32 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Inside prices on natural methanol W. of Miss. R., 3c. higher.
synthetic, dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or divd....gal. .34 - —
3, frt. alld.....gal. .36 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or divd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, divd. S. F. and L. A. gal. .41 - —
4, frt. alld. or divd...gal. .51¼- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —
Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.
Methyl abietate, non-ret. dms., c.l., divd..lb. .06½- —
10 dms., divd.....lb. .09¾- —
1-9 dms., divd.....lb. .10¾- —
hydrogenated, non-ret. dms., c.l., divd..lb. .12 - .13½
10 dms.....lb. .13¼- .16¾
1-9 dms.....lb. .14¼- .17¾
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13¼
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms. incl., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.
Group B, dms. c.l., Zone 1, frt. alld..gal. .68 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .63 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
Zone 1, same basis..gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —
Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

HERCULES
CARBOY BOXES

THE extra protection of the "Hercules" is due to its patented cork-cushioning construction, which suspends the carboy and absorbs impact force. The result is a reduction in bottle-breakage to an absolute minimum. Cork-cushioning eliminates the need for additional packing material such as hay or wool, and thus reduces the weight. The snug shape and the cork resilience makes your packing problems a cinch! No skilled labor is required. Just drop the carboy in — It's packed!

SPECIFICATIONS

- Size shown — 17½" x 17½" x 22" — for 13 gallon carboy.
- Furnished complete with carboy. Weight without carboy, approximately 41 lbs.
- Heavy corner posts, and smooth specially selected wood. Compactly built for shipping purposes.
- Various Multiple Bottle Boxes available. Any style, type or capacity.
- Meets all requirements and tests of the I. C. C. and The Bureau of Explosives.

Address all inquiries to . . .

NATIONAL BOX & LUMBER COMPANY
HOME OF HERCULES CARBOY BOXES • NEWARK 5, NEW JERSEY

Methylacetone, synthetic, dms., c.l., Zone 1.....gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .42 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .46½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).

Anthranilate, bots.....lb. 2.20 - 2.35
Benzoate,[8] cns.....lb. .45 - —
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 30-lb. cylinders, 10c. per pound higher.

Cinnamate, cns.....lb. 2.25 - —
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. .30 - .33
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs.100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.25 - —
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .22½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.45.00 - —
l.c.l., works.....ton.48.50 - —
roofing, 20 mesh, bgs., c.l., works..ton.30.00 -32.50
l.c.l., works.....ton.35.50 -37.50
30-31 mesh, bgs., c.l., works. ton.30.00 -32.50
l.c.l. works.....ton.35.00 -37.50
40-45 mesh, bgs., c.l., works. ton.30.00 -32.50
l.c.l., works.....ton.35.00 -37.50
80 mesh, bgs., c.l., works. ton.37.50 -40.00
l.c.l., works.....ton.41.50 -43.00
graphite, bulk, Pa., mines.ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —
extra fine, bgs., c.l., works, works, frt. alld. E..lb. .04 - —
l.c.l., ex whse. or frt. alld. E..lb. .04½- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05 - —
l.c.l., ex whse. or frt. alld. E..lb. .05½- —
rubber, bgs., c.l., works, frt. alld. E..lb. .04⅝- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05 - —
l.c.l., ex whse. or frt. alld. E..lb .05½- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —

Mica, wet-grd., W. of Miss. R., ½c. higher: W. of Rockies, 1c. higher.

Milk powder,[1,7] skimmed, roller, bulk, c.l...lb. .14¼- —
spray, bulk, c.l.....lb. .13¾- —
whole, roller, bbls., c.l.....lb. .29 - —
spray, bbls., c.l.....lb. .30 - —
Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits)
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass. Md., N. J., N. Y.; Area 3, Calif; Area 4 Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[5] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —

Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%, lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%..lb. .18 - —
tanks, 100% basis, works....lb. .15 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....ob. 8.75 - —
Morphine hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
Ketone, cns., 100 lbs. or more. lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
Musk, synthetic, xylol, cns., 100 lbs. or more..lb. 1.40 - 2.00
25 lbs.....lb. 1.60 - 2.00
5 lbs.....lb. 1.65 - 2.90
Muskroot, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs.. lb. .18 - .18½
yellow, bgs.....lb. .19 Nom.
Montana, brown, bgs.....lb. .09½- .10
oriental, bgs.....lb. .09½- .09¾
yellow, bgs.....lb. No stocks
Washington, yellow, bgs.....lb. .24½- .25
Myrobalans,[1] whole, J1, U. S. ports, ex dock..ton.54.00 - —
J2, same basis.....ton.47.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[2] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis.. lb. .0325- —
bbls., c.l., same basis...lb. .0325- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .03 - —
50-lb. cs., same basis....lb. .03¼- —
1-lb. pkgs., same basis...lb. .03¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nephelinesyenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Neroline, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).
Nickel,[6,9] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,9] black, bbls.....lb. .36 - .38
Salt,[6,9] bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide,[6] USP, dms....kilo.13.25 13.55
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble,[4] ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble,[4] ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut.,[4] tanks....ton N.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis.

Nitrogenous process tankage,[1,7] Hopewell, Va., bulk, works, unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane I, dms., works...lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. No stocks
Chinese, bgs.....lb. No stocks

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In Composition and Results

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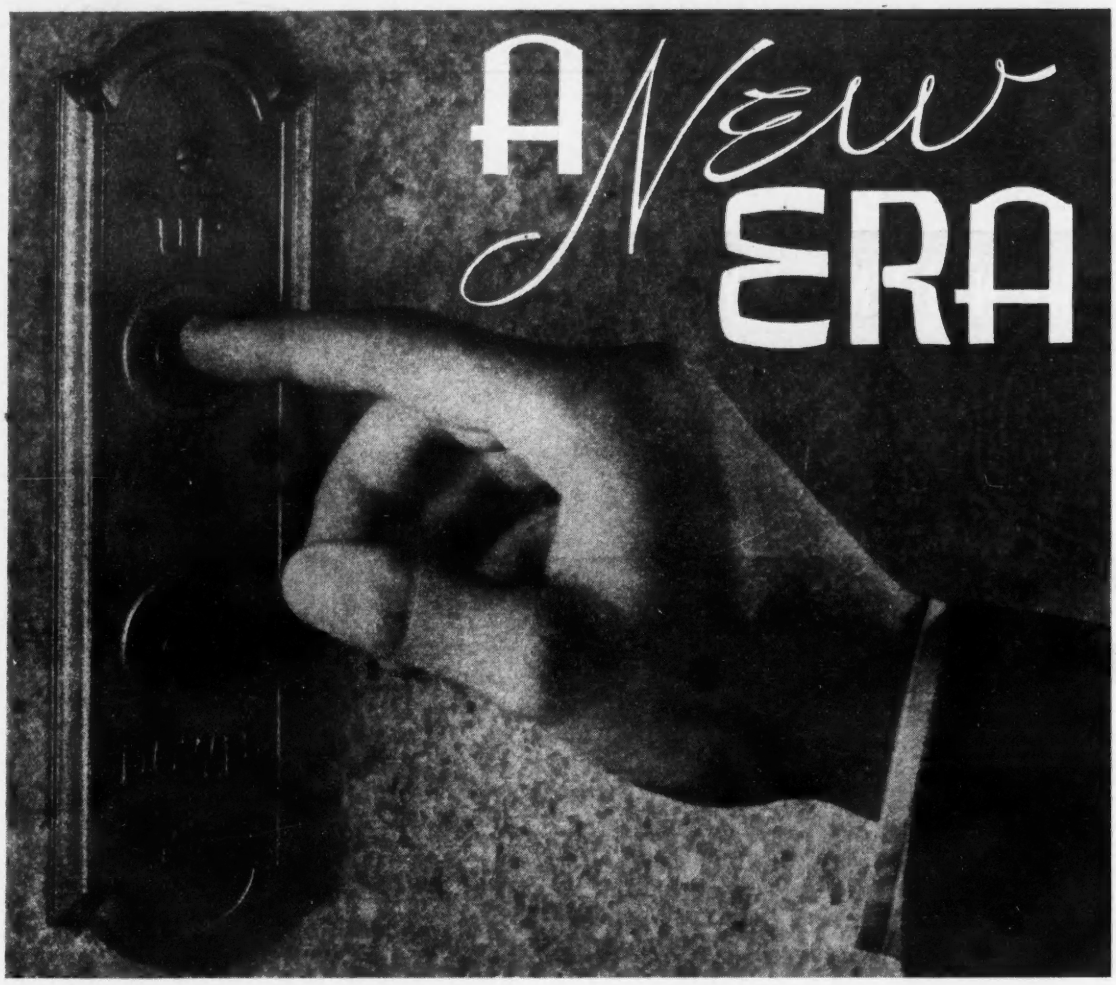
SYNTHETIC RESINS • CHEMICAL COLORS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

Nutmegs,[1,7] West Indian, No. 1, futures..lb. .34½- .34⅝
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13½- .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial, grade, dms., c.l., G.S..gal. .15½ - —
l.c.l., G.S.....gal. .20 - —
10 gals., G.S.....gal. .55 - —
tanks, G.S.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .33 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.C., bots.....lb. 4.60 - 5.25
USP, bots.....lb. No prices
Sweet, exp., dms., cns.....lb. 1.20 - 1.65
Angelica root, bots.....lb.125.00 -300.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns....lb. 4.00 - —
Apricot kernel, cns.....lb. .45 - .50
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,7] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.45 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.75 - —
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 8.75 -10.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. No stocks
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP 1X (see Juniper tar).
Cajeput, tech., dms.....lb. No stocks
redistilled, USP 1X, cns....lb. No stocks
Calamus, cns.....lb.20.00 -21.00
Oil, camphor, synthetic, white, cns..lb. .18 - .23
Cananga, native, cns.....lb. 8.00 -10.00
rectified, cns.....lb. No stocks
Capsicum (see Capsicum, oleoresin)
Caraway, NF, cns.....lb. 9.00 -11.00
Cardamom, bots.....lb.17.00 -18.00
Cassia, USP, cns.....lb. No stocks
Castor,[1] blown, ret. dms., c.l. lb. .15½- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l. lb. .14 - —
l.c.l. .....lb. .14½- —
cns. .....lb. .15¾- .17⅝
dms., c.l.....lb. .13¾- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehyd., bodied, dms., c.l...lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l.....lb.16.90 - —
tanks .....lb. .1650- —
No. 3 tech., bbls., c.l.....lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms., c.l.....lb. .13½- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .12¾- —
sulphonated, 50% (48% fat), dms., c.l..lb. .09½- .09⅝
l.c.l. .....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .12½- .12⅝
l.c.l. .....lb. .13 - .13⅛
50% (65% fat), dms., c.l...lb. .12⅝- .13
l.c.l. .....lb. .13⅛ .14
Cedarleaf,[1] USP, cns., dms..lb. 2.50 - 2.75
Cedarwood, dms.....lb. 1.00 - 1.10
Celery, bots.....lb.16.50 -18.00
Chaulmoogra, USP, cns.....lb. .65 - .70
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.32.50 -45.00
leaf, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. 1.70 - 1.75
Java, cns.....lb. No stocks
Oil, clove, USP, cns.....lb. 1.65 - 1.80
Coconut,[1,7] crude, Ceylon, bulk, c.i.f. N. Y..lb. .0885- —
Cochin type, bulk, c.i.f. N. Y..lb. .0935- —
Manila, bulk, c.i.f. N. Y..lb. .0835- —
ret. dms.....lb. .0885- .0985
edible, ex tax, dms.....lb. .0985- —
Cod, Newfoundland, dms...gal. .88 - .90
tanks .....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 3.25
Coriander, bots.....lb.25.00 -32.50
Corn,[1,7] crude, tanks, works.lb. .12⅜- —
edible, dms., l.c.l.....lb. .16¼- .16⅜
tanks .....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .08⅛- —
Cottonseed,[1,7] cooking, l.c.l., ret. dms..lb. .16¼- —
crude, tanks, works.....lb. .12½- .13⅛
foots, acid, 95% tanks, dlvd. E..lb. .07⅜- —
raw, 50%, tanks, dlvd. E., lb. .06⅜- —
salad, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. 4.00 - 4.75
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb. No stocks
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dillseed, bots.....lb. 7.00 - —
Dillweed, bots.....lb. 4.25 - 5.00
Dip (see D).
Erigeron, cns.....lb 2.25 - 2.40
Eucalyptus, 80-90%, cns.....lb. 1.18 - 1.40
Oil, fennel, sweet, cns..... ..lb. No stocks
Fir, Canada, cns.....lb. 2.25 - 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram... per million units. .14 - —
Oil, fishliver, for each 1,000 additional A units up to 200,000 per gram..per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb. No stocks
Bourbon, cns.....lb.16.25 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.12.00 -13.00
Grapefruit, cns.....lb. 2.05 - 2.75
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 3.10 - 4.00
Hemlock, cns.....lb. 2.60 - —
Herring,[1] crude, tanks, Pac. coast..lb. .080 - —
Juniper, berry, dom., bots....lb. 6.75 - 7.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .90 - 1.00
Lard oil (see Oil, grease)
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 8.00 - 8.75
Lavender flower, French, 35%-42% ester, cns..lb.16.00 -18.00
35%-38% ester, cns.....lb.14.00 -16.00
Russian, cns.....lb. No stocks
spike, Spanish, pure, cns...lb. 2.75 - 3.10
tech., cns.....lb. 2.35 - 2.50
Lemon, USP, Calif., cns.....lb. 2.25 - —
Messina,[1] cns.....lb. No stocks
Terpeneless, bots.....lb.40.00 -50.00
Lemongrass, cns., dms.....lb. 2.35 - 2.65
Lignaloe seed, Mexican, cns. lb. No stocks
wood, Mexican, cns.....lb. 4.75 - 5.00
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns., lb. 6.25 - 6.75
West Indian, cns.....lb. 7.00 - 7.50
expressed, West Indian, cns., lb.13.50 -15.00
Linseed,[1,7] raw, dms., c.l...lb. .1560- —
l.c.l. .....lb. .1600- .1660
tanks .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l..lb. .1400- .1550
tanks .....lb. .1320- .1470
Lubricating,[1] at refinery, ex-tax, California, neutral, pale, 200-800 vis., 2½-4 pour, tanks..gal. .07⅛- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07⅛- .11¾
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .25 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks, gal. .14½- .19
200-280 vis., No. 3, col., 15-25 pour, tanks..gal. .15 - .17⅛
Pa., bright stock, 140-150 vis., No. 8 color, 10-25 pour, tanks..gal. .24 - .30½
cylinder oils, 600-630 flash, tanks..gal. .15 - .17
600-650, steam refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .27 - .31
300 vis., 25 pour, tanks, gal. .28 - .32
Mace, dist., cns., dms.....lb. 4.75 - 5.25
Mandarin, Brazilian, cns....lb. 6.75 - 8.00
Menhaden,[1,7] crude, tanks, Balto..lb. .0690- —
refined, alkali, dms., c.l...lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns...lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14⅜- —
Neatsfoot,[1] 15°, bbls., c.l..gal. 1.85 - 1.90
20°, bbls., c.l.....gal. 1.80 - —
30°, bbls., c.l.....gal. 1.60 - 1.65
pure, bbls., c.l.....lb. .15½- .16
Neroli, bots.....lb.250.00 -350.00
Nutmeg, dist., cns., dms....lb. 4.75 - 5.25
Officica,[1] liquid, dms., c.l..lb. .24 - —
dms., l.c.l.....lb. .24½- .25
Oleo,[1,7] extra dms., Chicago.. lb. .1304- —
prime, dms., Chicago.....lb. .1275- —
Olibanum, bots.....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-½% f.f.a., dms., extra, works..gal. 4.30 - 4.80
imported, dms.....gal. No stocks
foots,[1] dom., dms., c.l.....lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock, lb. .18 - —
tankcars, ex dock.....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fats), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (69% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - —
expressed, USP, Brazilian, cns..lb. 1.35 - 1.60
Calif., cns.....lb. 1.65 - 2.00
Florida, cns., dms.....lb. 1.40 - 1.60
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.75 - 3.00
sequiterpeneless, bots.....lb.100.00 -112.00
Origanum, Spanish, cs.... .lb. 1.90 - —
Palm,[1,7] Niger, dms.....lb. .0965- —
Palmarosa, cns.....lb. 5.75 - 6.50
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0835 Nom.
Paraffin,[1,4] 300° flash, 100-110 vis., tanks, G.S..gal. .08⅝- .09½
320° flash, 60-70 vis., tanks, G.S..gal. .08 - —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal. .08 - —
350° flash, 80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y. gal. .09½- —
100-110 vis., 0/10 pour, same basis..gal. .08¼- .15
10/25 pour, same basis..gal. .08¼- .09½
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, dlvd. E..lb. .1601- —
crude, tanks, works.....lb. .12⅜- .13⅝
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
hydrogenated, tanks, dlvd. E., lb. .1673- .1675
Pennyroyal, dms., cns.....lb. No prices
import, cns.....lb. 3.25 - 3.55
Peppermint,[1] natural, dms...lb. 6.25 - 6.85
redist., USP, dms.....lb. 6.75 -7.50
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms.. lb. 2.30 - 2.35
Pimento, berry, dms.....lb. 6.85 - 8.00
leaf, cns.....lb. 4.00 - 4.25
Pine,[1] ret. dms., c.l., dlvd. E., gal. .62 - .63½
l.c.l., dlvd. E.....gal. .73 - —
tanks, works.....gal. .55 - —



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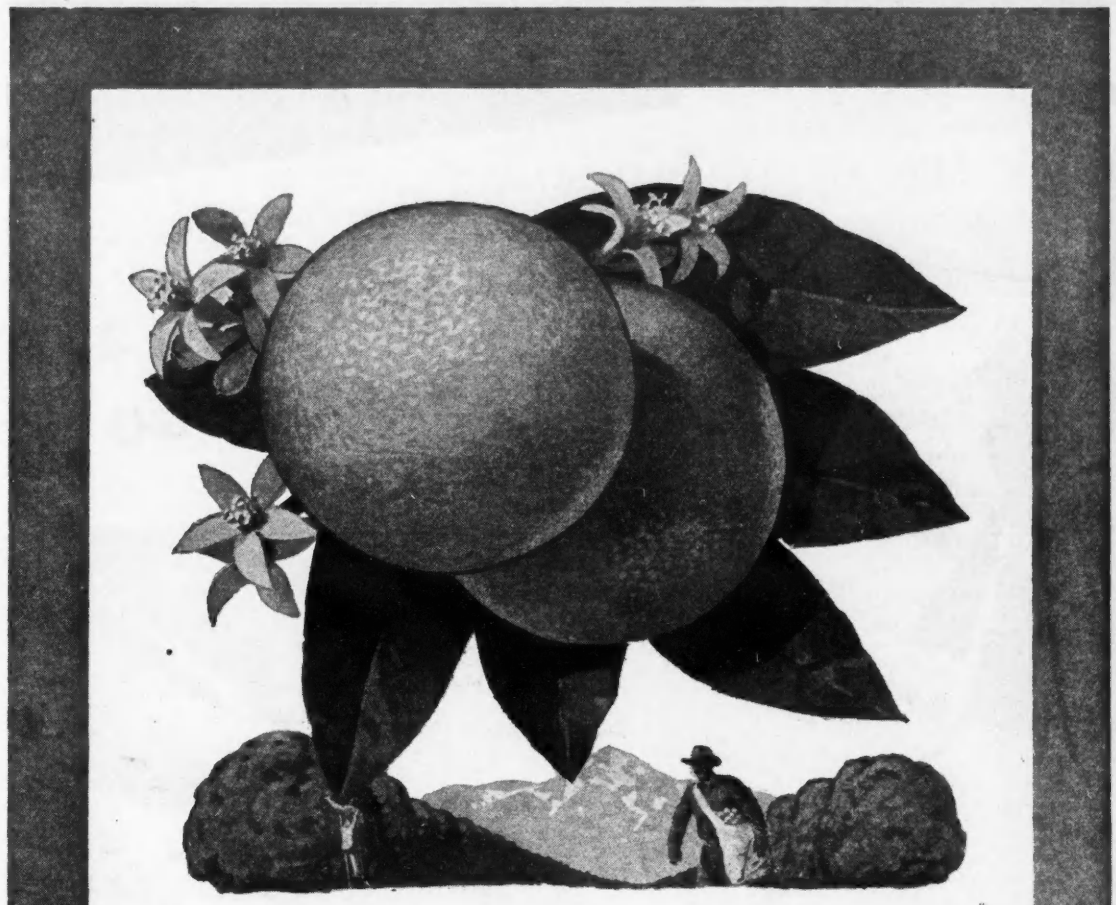
9 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, pineneedle, cns.	lb.	3.10 - 3.25
Putty,[2] bbls., E. Segundo, Richmont, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
dms., c.l., Whiting, Ind.	gal.	*.34 - —
Boston, Providence	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed,[1] bulk, New Orleans	lb.	.1156½- —
Red,[1] ret. bbls., c.l., dms., dlvd. E. of Rockies	lb.	.18½- —
W. of Rockies	lb.	.14½- —
Texas and Okla.	lb.	.13⅝- —
tanks, dlvd. E. of Rockies	lb.	.12½- —
W. of Rockies	lb.	13½- —
Texas and Okla.	lb.	.13 - —
double dist., ret. dms., c.l., dlvd. E. of Rockies	lb.	.15⅞- —
W. of Rockies	lb.	.16⅛- —
Texas and Okla.	lb.	.16⅝- —
special non-ret. dms., bbls., c.l., dlvd. E. of Rockies	lb.	.16⅝- —
W. of Rockies	lb.	.17⅝- —
Texas and Okla.	lb.	.17½- —
Red oil prices for ton lots are ½ cent per pound higher, and 1 cent higher for less than ton lots.		
Rose, natural, coppers	oz.	No stocks
Rosemary, Spanish, tech., cns., dms.	lb.	1.25 - 1.35
U.S.P., cns., dms.	lb.	1.45 - 1.50
Rosin, 1st rectified, dms.	gal.	.66 - —
2nd rectified, dms.	gal.	.68 - —
3rd rectified, dms.	gal.	.72 - —
Rue, bots.	lb.	5.00 - 5.25
Sage, Spanish, cns.	lb.	2.35 - 3.00
Sandalwood, NF, Mysore, cns., case lots	lb.	7.00 - 7.25
Sardine, crude,[1,7] tanks, Pac. coast	lb.	.089 - —
refined, alkali, dms., l.c.l.	lb.	.1400- —
kettle-bodied, dms., l.c.l.	lb.	.1500- —
light-pressed, dms., l.c.l.	lb.	.1300- —
tanks	lb.	.1225- —
Sassafras, artif., cns.	lb.	.55 - .60
natural, cns., dms.	lb.	2.00 - 2.30
Savin, cns.	lb.	No stocks
Savory, cns.	lb.	8.00 - —
Seal,[1] No. 1, tanks, U.S. ports	lb.	.089 - —
Sesame,[1,7] tanks	lb.	.1430- —
Shingle stain, bbls., c.l., works	gal.	.2183- —
l.c.l., works	gal.	.23 - .29
tanks, works	gal.	.15 - 18
Snakeroot, Canada, cns.	lb.	No stocks
Soybean,[1,7] clarified, dms.	lb.	.1296- .1335
tanks	lb.	.1250- —
crude, tanks, Decatur	lb.	.1175- —
deod., Winter, tanks	lb.	.1393- —
ret. dms.	lb.	.1500- .1540
foots, acid, 95%, tanks, dlvd. E.	lb.	.07¼- —
raw, 50%, tanks, dlvd. E.	lb.	.03½- —
refd., varnish, dms.	lb.	.1380- .1400
tanks	lb.	.1340- .1347
Spearmint, dms.	lb.	4.00 - 4.25
Sperm, bleached, 38°, dms.	lb.	.1443- —
natural, 45°, dms.	lb.	.1310- —
Spruce,[1] cns., dms.	lb.	2.55 - 2.73
Sunflower,[8] imp., refined, tanks,	lb.	.1438- —
semi-refined, tanks	lb.	.1430- —
Sweet birch, North, cns.	lb.	4.00 - 5.00
South, cns.	lb.	2.50 - 3.75
Tall,[1] crude, dms., c.l., wks.	ton.	53.65 -55.00
l.c.l., works	ton.	58.65 - 63.65
tanks, works	ton.	40.00 -45.00
refined, dms., c.l., works	lb.	.05 - .05¼
l.c.l., works	lb.	.05½- —
tanks, works	lb.	.04½- —
Tallow, acidless, bbls.	lb.	.14¼- —
tanks	lb.	.13⅝- —
Tansy, cns.	lb.	No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities	gal.	.32⅝- —
l.c.l., works	gal.	.29⅝- —
tanks, dlvd. E. cities	gal.	.27 - —
rectified, USP, bbls.	gal.	.60½- —
Tar acid (see T).		
Thyme, NF, red, cns.	lb.	2.60 - 3.25
white, cns.	lb.	3.05 - 3.80
Tung,[1,7] dms., c.l.	lb.	.39 - .39¼
l.c.l.	lb.	.40 - .41
tanks	lb.	.38⅝- —
Turkey red (see Oil, castor, sulphonated).		
Turpentine, rectified, USP, cns., dms.	lb.	.27 - .29
Vetiver, Bourbon, cns.	lb.	35.00 -45.00
Whale,[8] ref., natural, dms.	lb.	.1187 Nom.
Winter bleached, dms.	lb.	.1232 Nom.
Wheat germ, dms.	gal.	10.00 -13.50
White mineral, tech., 50-65 vis., dms., incl., c.l.	gal.	.34 - —
l.c.l.	gal.	.37 - .41
65-75 vis., dms., dms. incl., c.l.	gal.	.35 - —
l.c.l.	gal.	.38 - .42
USP, 80/90 vis., dms., dms. incl., c.l.	gal.	.37 - —
l.c.l.	gal.	.40 - 44
125/135 vis., dms., dms. incl., c.l.	gal.	.46 - —
l.c.l.	gal.	.49 - .53
145/155 vis., dms., dms. incl., c.l.	gal.	.48 - —
l.c.l.	gal.	.51 - .55
175/185 vis., dms., dms. incl., c.l.	gal.	.50 - —
l.c.l.	gal.	.53 - .57
200/210 vis., dms., dms. incl., c.l.	gal.	.54 - —
l.c.l.	gal.	.57 - .61
335/345 vis., dms., dms. incl., c.l.	gal.	.62 - —
l.c.l.	gal.	.65 - .69
55, 70 and 85 vis., non-ret. dms., 65 dms., San Francisco	gal.	.42 - —
smaller lots, same basis	gal.	.44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco	gal.	.51½- —
smaller lots, same basis	gal.	.53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco	gal.	.59 - —
smaller lots, same basis	gal.	.61 - .64
180 vis., non-ret. dms., 65 dms., San Francisco	gal.	.62½- —
smaller lots, same basis	gal.	.64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco	gal.	.74 - —
smaller lots, same basis	gal.	.76 - .79
Wintergreen, natural, North, cns.	lb.	5.50 - 5.50
South, cns.	lb.	4.00 - 4.25
synthetic (see Methyl salicylate).		
Wood (see Oil, tung).		
Wormseed,[1] cns.	lb.	5.00 - 5.15
Wormwood, cns.	lb.	4.85 - 5.50
Ylang-ylang, Bourbon, bots.	lb.	9.00 -24.50
Oleostearin,[1,7] dms., Chicago	lb.	.1061-
Olivine, aggregate, c.l., mines	ton.	7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works	ton.	8.00 - —
paper bgs., c.l., works	ton.	9.50 - —
lumps, paper bgs., c.l., works, ton.		7.00 - —
spalls, paper bgs., c.l., works, ton.		5.00 - —
Opium gum, USP, cns., 50-lb. lots,	lb.	13.00 - —
25-lb. lots	lb.	13.25 - —
smaller lots	lb.	13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.		
Orange, cadmium selenide, bbls., 100-lb. lots, works	lb.	1.50 - —
Dinitroaniliin, toner[3]	lb.	1.05 - —
Molybdate,[1,6] bbls.	lb.	.41 - —
Orthonitroaniliin toner,[1] bbls., kgs., works	lb.	.80 - 1.00
Persian,[1] bbls.	lb.	.30 - .45
Orange mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.12¼- —
dlvd. Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo.	lb.	.12½- —
other points	lb.	.12 - —
smaller lots, Ala., etc.	lb.	.12¾- —
Ariz., etc.	lb.	.13¼- —
Colo., Mont., N. M., Wyo.	lb.	.13 - —
other points	lb.	.12½- —
Orange peel, bitter, Haitian, bgs.,	lb.	.13½- .14
sweet, bls.	lb.	.14 - .14⅛
Oregano, Mexican, curly leaf, bgs.	lb.	.08½- .09
flat leaf, bgs.	lb.	.08½- .09⅛
Orris root, African, bls.	lb.	.85 - —
powd., bbls., bxs.	lb.	.90 - .95
Portuguese, bls.	lb.	.65 - .70
Verona, bls.	lb.	No stocks
Orthoamylphenol, dms., works	lb.	.25 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloraniliin, dms.	lb.	.60 - —
Orthochlorophenol, dms.	lb.	.25 - .27
Orthocresol,[3,6] 30.4° C. min., M.P., dms., c.l., works	lb.	.17½- .18
l.c.l., works	lb.	.18 - .18½
29.0° C. min., M.P., dms., c.l., works	lb.	.16½- .17
l.c.l., works	lb.	.17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies,	lb.	.07 - —
l.c.l., same basis	lb.	.08 - —
tanks, same basis	lb.	.06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.		
Orthonitroaniliin, dms.	lb.	.43 - .55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works	lb.	.10 - —
l.c.l., works	lb.	.11 - —
grade B, dms., c.l., works	lb.	.06 - —
l.c.l., works	lb.	.07 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.,	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.82 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange crystals, bbls.	lb.	.23 - —
Extract, No. 1, bbls.	lb.	.11 - —
No. 2, bbls.	lb.	.10 - —
Ouabaine, USP, bots.	gram.	3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works	lb.	3.50 - —
smaller lots, works	lb.	3.75 - 4.15

P

Papain, powd., cs.	lb.	3.75 - 4.25
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots	oz.	7.00 - —
smaller lots	oz.	7.05 - 7.35
Sulphate, cns.	oz.	7.10 - 7.35
Paprika,[1] Calif., sweet Caliente, ground, bgs.	lb.	.40 - .41
Chilean, bgs.	lb.	.30½- .31
Portuguese, bgs.	lb.	.38 - .42
Spanish, bgs.	lb.	.45 - .46½
Para-anisidin, dms., works	lb.	.75 - —
Parachlorophenol, dms., wks.	lb.	.26½- .28
Parachlorophenol, dms., c.l., wks.	lb.	.24 - —
l.c.l., same basis	lb.	.25 - .27
Paracymene, dms., c.l., works	lb.	.1595- —
l.c.l., same basis	lb.	.1645- —
tanks, same basis	lb.	.1545- —
Paradichlorobenzene,[4] dms., c.l., works	lb.	.11 - .12
l.c.l., same basis	lb.	.12½- .15
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery	lb.	.04¼- —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery	lb.	.05 - —
120-122 ASTM, refinery	lb.	.0520- —
122-124 ASTM, refinery	lb.	.0520- —
125-127 ASTM, refinery	lb.	.0560- —
127-129 ASTM, refinery	lb.	.0565- —
128-130 ASTM, refinery	lb.	.0585- —
130-132 ASTM, refinery	lb.	.0615- —
132-134 ASTM, refinery	lb.	.0640- —
135-137 ASTM, refinery	lb.	.0715- —
140-142 ASTM, refinery	lb.	.0810- —
146-148 ASTM, refinery	lb.	.1050- —
Prices in bags 4/10c. per lb. higher		
Paraformaldehyde, dms., 1,000 lbs. or more, works	lb.	.21 - —
smaller lots, works	lb.	.22 - —



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ORANGE
U. S. P.

Paraldehyde, tech., 95%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.12 - —
10-gal. dms., works	lb.	.15 - —
USP, cbys., cns.	lb.	.35 - .45
Paranitroaniline, kgs., works	lb.	.43 - .45
Paranitrochlorobenzene, xgs., wks.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs., works	lb.	.30 - —
Paraphenylenediamine, tech., kgs.	lb.	2.00 - —
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls., works	lb.	.46 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.20 - .27
l.c.l., same basis	lb.	.22 - .28
Passion flower herb, bls.	lb.	.22 - .24
Patchouli leaves, bls.	lb.	.34 - .35
Pectin, bbls.	lb.	1.25 - —
Penicillin,[4] ampules, per 100,000 unit.		.55 - .95
Pennyroyal leaves, bls.	lb.	.16 - .18
Pentachlorophenol, dms., works.	lb.	.30 - .35
Pentaerythritol, CP, bbls., dlvd.	lb.	.75 - —
smaller containers	lb.	1.00 - —
tech., bbls., c.l.	lb.	.27 - —
l.c.l.	lb.	.31 - —
Pentane, 28°-38° C, industrial grade, dms., c.l., Group 3	gal.	.11 - —
l.c.l., dms., Group 3	gal.	.19 - —
industrial grade, tanks, Group 3	gal.	.07½- .07½
laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
Pepper, black,[1,7] 15 tons, bgs.	lb.	.10 - —
50 to 100 bgs.	lb.	.1050- —
4 to 24 bgs.	lb.	.1100- —
Red, capsicum, Carolina, longs, new crop, bgs., ship't point.	lb.	.32 - .32½
sports, old crop, bgs.	lb.	.46 Nom.
Louisiana, sports, bgs.	lb.	No stocks
longs, new crop, bgs., ship't point.	lb.	No stocks
Chillies, bgs.	lb.	.22½- .46
White,[1,7] bgs., 15 tons	lb.	.1161 Nom.
24 bgs.	lb.	.1295 Nom.
Peppermint, dom., USP, bls.	lb.	.70 - .75
imported, bls.	lb.	.90 Nom.
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.0782- .0800
Zone 2, same basis	lb.	.0832- .0850
Zone 3, same basis	lb.	.0882- .0900
Zone 4, same basis	lb.	.0876- .0900
l.c.l., Zone 1, same basis	lb.	.0832- .0850
Zone 2, same basis	lb.	.0882- .0900
Zone 3, same basis	lb.	.0932- .0950
Zone 4, same basis	lb.	.0926- .0950

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Peru balsam, dms.	lb.	1.10 - 1.25
Petrolatum, tech., dark, bbls., Group 3, c.l.	lb.	.021 - —
golden topas, bbls., c.l.	lb.	.062 - —
l.c.l.	lb.	.036 - —
red, veterinarian, bbls., c.l.	lb.	.024 - —
l.c.l.	lb.	.028 - —
Petrolatum, USP, amber, non-ret. dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.04½- —
extra amber, dms., c.l.	lb.	.03¾- —
l.c.l.	lb.	.04¾- —
cream, c.l., dms.	lb.	.05 - —
l.c.l.	lb.	.06½- —
yellow, soft, dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.04½- —
white, lily, dms., c.l.	lb.	.05¾- —
l.c.l.	lb.	.07¼- —
snow, dms. c.l.	lb.	.06½- —
l.c.l.	lb.	.08 - —
soft, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.06½- —
Petroleum, crude, bulk, at wells, California, heavy grades,	bbl.	.93 - 1.01
Illinois	bbl.	1.37 - —
Kentucky, Union County,	bbl.	1.32 - 1.37
Louisiana-Arkansas	bbl.	.95 - 1.20
Oklahoma-Kansas	bbl.	.85 - 1.25
Pennsylvania	bbl.	1.31 - 3.00
Texas, Gulf coast	bbl.	1.06 - 1.85
North, North-Central	bbl.	1.01 - 1.26
Panhandle	bbl.	1.10 - 1.22
West	bbl.	.70 - 1.72
Wyoming	bbl.	1.12 - —
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd., E.	gal.	.55 - —
30°-60°C., dms., c.l., Group 3	gal.	.16 - —
l.c.l, Group 3	gal.	.29 - —
35°-60° C, 10-gal., cns., dlvd., E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
Petroleum ether, lab. grade, 40°-75° C, 10-gal., cns., dlvd., E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 1.	gal.	.04 - —
Nos. 2 and 3	gal.	.03½- —
Bayonne, No. 2, tanks.	gal.	.052 - —
California, heavy	bbl.	1.10 - —
light	bbl.	1.20 - —
diesel	gal.	.04 - —
stove dist.	gal.	.05 - —
Group 3, No. 3	gal.	.03½- —
No. 5	bbl.	.85 - —
No. 6	bbl.	.80 - .85
Kansas, No. 3	bbl.	.85 - .90
Oklahoma, No. 2	gal.	.03½- —
No. 6	bbl.	.90 - —
No. 14-16	bbl.	.97 - —
Pennsylvania, No. 1	gal.	.07 - .07½
No. 2	gal.	.07 - .0805
No. 3	gal.	.06½- .07½
36-40 gravity	gal.	.07 - 07½
bunker C (Nos. 5 and 6), tanks, Albany, N. Y.	bbl.	1.71 - —
Baltimore, Md.	bbl.	1.51 - —
Boston, Mass.	bbl.	1.555 - —
Charleston, S. C.	bbl.	1.42 - —
Fall River, Mass.	bbl.	1.525 - —
Jacksonville, Fla.	bbl.	1.42 - —
New Haven, Conn.	bbl.	1.525 - —
New York, N. Y.	bbl.	1.51 - —
Norfolk, Va.	bbl.	1.47 - —
Philadelphia, Pa.	bbl.	1.51 - —
Portland, Me.	bbl.	1.555 - —
Portsmouth, N. H.	bbl.	1.555 - —
Providence, R. I.	bbl.	1.525 - —
Savannah, Ga.	bbl.	1.42 - —
Tiverton, R. I.	bbl.	1.525 - —
Wilmington, N. C.	bbl.	1.42 - —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11 - —
Fort Wells, Wash.	gal.	.12 - —
San Francisco	gal.	.11½- —
Willbridge, Ore.	gal.	.12 - —
East coast, N. J., N. Y., tanks, refinery.	gal.	.11½- —
Group 3, benzol type, tanks,	gal.	.07½- —
toluol type, tanks.	gal.	.07½- —
Mineral spirits, California, San Francisco, 163-252 b.r., tanks.	gal.	.10¼- —
198-200 b.r., tanks.	gal.	.10½- —
312-408 b.r., tanks.	gal.	.09 - —
246-397 b.r., tanks.	gal.	.10½- —
362-458 b.r., tanks.	gal.	.09 - —
East coast, N. J., N. Y., tanks, refinery.	gal.	.10 - —
Group 3, tanks, refinery.	gal.	.06½- —
tankwagon, Baltimore	gal.	.135 - —
Boston	gal.	.12 - —
Bridgeport, Conn.	gal.	.1430- —
Buffalo	gal.	.1240- —
Camden, N. J.	gal.	.11 - —
Chicago	gal.	.1160- —
Detroit	gal.	.1280- —
Hartford	gal.	.1430- —
Kansas City, Mo.	gal.	.1280- —
Lancaster, Pa.	gal.	.12 - —
Milwaukee	gal.	.1240- —
Minneapolis	gal.	.1220- —
Newark	gal.	.11 - —
New York	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.125 - —
Providence	gal.	.13 - —
Rochester	gal.	.1320- —
St. Louis	gal.	.1370- —
Syracuse	gal.	.14 - —
Washington, D. C.	gal.	.135 - —
Wilmington, Del.	gal.	.11 - —
Naphtha, cleaners, California, tanks, San Francisco.	gal.	.12 - —
East coast, N. J., N. Y., tanks, refinery.	gal.	.11 - —
Group 3, tanks, refinery,	gal.	.07½- —
tankwagon, Newark	gal.	.12 - —
Bridgeport	gal.	.1730- —
Chicago	gal.	.1380- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
St. Louis	gal.	.1470- —
high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J.	gal.	.21½- —
No. 2, tanks, over 90% arom., same basis.	gal.	.21½- —
No. 3, tanks, same basis.	gal.	.23½- —
No. 8, tanks, same basis.	gal.	.228 - —
No. 30, tanks, Kingsland, N.J., frt. alld.	gal.	.223 - —
No. 40, tanks, Wilmington, Cal.	gal.	.13½- —
V.M.&P. at refinery, California, 46.5 254 i.p.b., 380 e.p., tanks, El Segundo.	gal.	.11 - —
Richmond	gal.	11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	12 - —
54-77, 190 i.b.p., 310 e.p., Los Angeles.	gal.	.10 - —
San Francisco.	gal.	.10½- —
Portland, Seattle.	gal.	.11 - —
Group 3, tanks.	lb.	.07½- —
Gulf Coast (dlvd. New Orleans), tanks.	gal.	.06½- —
tankwagon, Boston	gal.	.13 - —
Chicago	gal.	.1380- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1540- —
Minneapolis	gal.	.1520- —
Newark (200 gals.)	gal.	.125 - —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1470- —
Solvent, rubber, at refinery, California, San Francisco,	gal.	.25½- —
East Coast, N. J., N. Y., tanks.	gal.	.11 - —
Group 3, tanks.	gal.	.07¼- .07½
Stoddard (CS 8-33), at refinery:—		
California (f.o.b. San Francisco), tanks.	gal.	.11 - —
East Coast, N. J., N. Y. tanks.	gal.	.10 - —
Group 3, tanks.	gal.	.06¾- —
Pennsylvania, western, tanks.	gal.	.07¼- .07½
tankwagon, Baltimore	gal.	.13 - —
Boston	gal.	.12 - —
Chicago	gal.	.13½- —
Detroit	gal.	.1580- —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
Newark	gal.	.11 - —
New York	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1370- —
Syracuse	gal.	.14 - —
Toluol, tanks, dlvd. E.	gal.	.27 - —
Xylol, tanks, dlvd. E.	gal.	.26 - —

TAKE up your copy of the Kellogg Booklet, *"Oils for the Protective Coatings Industry"* and turn the page to KEL-X-L.

Check the information against your needs for an oil for quick-drying varnishes that are water- and alkali-resisting.

Then turn to the pages describing KELLIN and ESSKOL. Compare the chemical constants. Then check the behavior in cooking and other production characteristics with your own plant practices and formulations.

These Oils have been tested, approved and used in production by experienced varnish-makers. They produce good, clear, fast-drying varnishes with a variety of resins. The final varnish films are durable, hard, free from after-softening, and excellent in water- and alkali-resistance.

Your local Kellogg representative can furnish complete information on experience with KEL-X-L. Ask him, or write to the Technical Service Department for its detailed bulletins on the use of these oils in various formulations.

KELLOGG'S THE TEST TELLS 1894

SPENCER KELLOGG AND SONS, INC.
BUFFALO 5, N. Y.
The First Name in Vegetable Oils

Petroleum sulphonates[6] 65% sulphonic content, ret. dms., c.l., works	lb.	.09½- —
l.c.l., works	lb.	.09½- .10½
tanks, works	lb.	.09½- —
50% sulphonic content, ret. dms., c.l., works	lb.	.09½- —
l.c.l., works	lb.	.09½- .10½
tanks, works	lb.	.09½- —
Phenobarbital, cns	lb.	3.60 - 3.70
dms., 100 lbs	lb.	3.50 - —
Phenol,[2,6] 90-92% (cresol, 8-10%), dms., c.l. ,works, frt. equald.,	lb.	.10 - —
l.c.l., same basis	lb.	.10½- —
tanks, same basis	lb.	.09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.09½- .10½
l.c.l., same basis	lb.	.10½- —
tanks, same basis	lb.	.09½- .09¼
USP, dms., c.l., same basis	lb.	.10½- —
l.c.l., same basis	lb.	.11¼- —
tanks, same basis	lb.	.09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85 - —
smaller lots	lb.	.87 - .92
Yellow, fib. dms., 2,000 lbs.	lb.	.80 - —
smaller lots	lb.	.82 - .87
Phenothiazin, NF, fib. dms., 2,000 lbs.	lb.	.40 - —
smaller lots	lb.	.54 - —
Phenylacetaldehyde, solut., 50%, bots.	lb.	2.45 - 2.50
100%, bots	lb.	4.00 - 5.00
Phenylethyl acetate, dms	lb.	3.30 - 3.35
Phenylethylphenyl acetate, bots.,	lb.	4.75 - 4.80
Phenylhydrazin, base, CP, bots.	lb.	4.55 - —
Hydrochloride, CP, bots., works,	lb.	7.10 - —
commercial, kgs., works	lb.	1.75 - —
Phloroglucinol, CP, fib. dms.	lb.	13.75 -14.75
tech., fib. dms	lb.	12.00 -12.50
Phosgene, ton lots, works	lb.	.19 - —
Phosphate, defluorinated (see under D).		
Phosphate rock,[1,2] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l.	long ton.	2.20 - —
70%-68%, same basis	long ton.	2.60 - —
72%-70% b.p.l., same basis	long ton.	3.20 - —
75%-74% b.p.l., same basis	long ton.	4.20 - —
77%-76% b.p.l., same basis	long ton.	5.20 - —
entirely pebble, 50c. per ton higher than above prices.		
finely ground, 66.5% b.p.l., 30% P_2O_5 minimum	short ton.	3.15 - —
68%, basis 31% P_2O_5 minimum	short ton.	3.35 - —
70%, basis 32% P_2O_5 minimum	short ton.	3.70 - —
Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% l. & a., same basis	long ton.	5.30 - —
72%-70% b.p.l., 5½% l. & a., same basis	long ton.	5.80 - —
refinery, ground, 29% P_2O_5, same basis	long ton.	4.95 - —
30% P_2O_5, same basis	long ton.	5.15 - —
31% P_2O_5, same basis	short ton.	5.25 - —
32% P_2O_5, same basis	short ton	5.50 - —
33% P_2O_5, same basis	short ton.	6.00 - —
Phosphorus, red, amorphous, cs.	lb.	.40 - .44
tins, export	lb.	.55 - —
yellow, cns	lb.	.23 - .25
dms., c.l.	lb.	.14½- —
Oxychloride,[6] dms., c.l.	lb.	.10½- —
l.c.l., dms	lb.	.12½- .15
Pentoxide,[6] dms., c.l., wks.	lb.	.11 - .12
l.c.l., works	lb.	.13 - .14
Sesquisulphide,[6] cs	lb.	.38 - .42
Trichloride,[6] dms., c.l.	lb.	.10¼- —
l.c.l.	lb.	.12½- .15
Phthalamide, bbls., works	lb.	.35 - .40
kgs., works	lb.	.45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.13 - —
l.c.l., same basis	lb.	.14 - —
Pichi leaves, bgs	lb.	.07 - .08
Picoline (see Alphapicoline and Betapicoline).		
Picrotoxin, bots	oz.	3.00 - —
Pilocarpine hydrochloride, USP, bots., vis.	oz.	3.75 - 5.10
Nitrate, bots., vis	oz.	3.65 - 5.00
Pimento,[1] Jamaica, bgs	lb.	.23 - .23½
Pinetar,[6] retort, dms. incl. c.l., works	gal.	.31 - —
l.c.l., works, dms. incl.	gal.	.32 - —
tanks, dlvd. E	gal.	.27 - —
Pinkroot, bls	lb.	1.10 - 1.15
Piperazine hexahydrate, bots.	lb.	16.00 - —
Pitch, burgundy (see B).		
Coaltar,[2] 160° m.p., bbls., c.l., works	ton.	19.00 - —
l.c.l., works	ton.	22.00 - —
Cottonseed, dms., works	lb.	.04 - .06
Hardwood, paper bgs., works	lb.	.03½- —
Linseed, dms	lb.	.05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, dms	100 lbs.	6.50 - —
stands, 200 lbs	stand.	6.00 - —
Soybean, dms., works	lb.	.04 - .06
Plaster of paris (see Gypsum).		
Podophyllin, dms	lb.	8.75 - 9.00
Pokeroot, bls	lb.	.18 - .19
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld.	lb.	.32 - —
20,000 lbs., frt. alld	lb.	.33 - —
smaller lots, frt. alld	lb.	.34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.		
Pomegranate, root bark, bgs	lb.	.75 - .76
Poppy flowers, bls	lb.	.69 - .70
Seed, Canadian, Danish, bgs., futures	lb.	.38 - .39
Domestic, blue, bgs	lb.	No stocks
Dutch, futures	lb.	.39 - .40
Indian, white, bgs	lb.	No stocks
South American, bgs	lb.	.45 - .46
Potash abietate	lb.	.08 - —
Acetate, USP, bbls., dms.	lb.	.28 - .30
cns.	lb.	.31 - .33
Arsenite,[6] USP, solut., cbys., djns.	lb.	.13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms.	lb.	.10 - .21
Bichromate,[1,6] bgs., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.10½- .10¾
Potash bichromate in bbls. ½c. higher.		
Borate, gran., bbls., N.Y. or Chi.	lb.	.1015- —
Bromide, USP, gran., 500-lb. bbls., dms.	lb.	.25 - —
100-lb. kgs	lb.	.26 - —
Carbonate, cal., bbls., c.l., works.	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 83-85% bbls., c.l., works.	lb.	.05½- —
dms., l.c.l., same basis.	lb.	.05¾- —
USP, gran., bbls., dms.	lb.	.14 - .20
powd., bbls. dms.	lbs.	.19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works	100 lbs.	9.81 - —
l.c.l., works	100 lbs.	9.85½- —

Potash caustic, low-chloride, 90% basis, liquid, dms., c.l., works	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.63½- —
tanks, works	100 lbs.	8.06 - —
solid, dms., c.l., works	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.93½- —
regular, flake, 88-92%, dms., c.l., works	lb.	.07 - —
l.c.l., works	lb.	.07¼- .07½
liquid, 45% basis, dms., c.l., works, frt. alld	lb.	.03½- —
l.c.l., same basis	lb.	.03¾- .03½
tanks, same basis	lb.	.02¾- —
solid, 88-92%, dms., c.l., works	lb.	.06¼- —
l.c.l.	lb.	.06¼- .06¾
Chromate,[6] bgs	lb.	.24 - .28
Chlorate,[1] cryst., kgs., c.l., works	lb.	.11 - .11¾
l.c.l., works	lb.	.119 - .13
Potash chlorate, powd., dms., kgs., c.l., works	lb.	.09¾- —
l.c.l., works	lb.	.119 - .13
export, 1 to 10 tons, kgs., ex whse.	lb.	.16 - .18
Chloride, tech., cryst., 98%, bgs., kgs.	lb.	.08 Nom.
Citrate, USP, gran., bbls., dms.,	lb.	.33½- .35½
powd., 3c. per lb. higher.		
Cyanide, dms., works	lb.	.55 - —
Fluoride, bbls	lb.	.34 - .40
Glycerophosphate, 75% s o l., cns., cbys.	lb.	1.65 - 1.67
dms., 1,000-lb. lots	lb.	1.50 - —
100-lb. lots	lb.	1.60 - —
Guaiacolsulphonate, NF, dms.	lb.	1.65 - 1.66
Hydroxide, USP, sticks, dms.	lb.	.34 - .36

Potash hypophosphite, cns	lb.	.72 - .75
Iodate, bots., 5 lbs	lb.	3.46 - —
cns., 25 lbs	lb.	3.35 - —
Iodide, bots., cns	lb.	1.44 - 1.46
dms.	lb.	1.35 - 1.36
Manure salt,[6] 22% K_2O, Carlsbad, N. M.	unit-ton.	.20 - —
25% K_2O, same basis	unit-ton.	.21 - —
Metabisulphite, gran., bbls.	lb.	.19 - .21
powd., bbls	lb.	.23 - —
Muriate, dom.,[6] 60-62-63% K_2O, bulk, ex vessel, ports	unit-ton.	.53½- —
granular, 50-52% K_2O	unit-ton.	.53½- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.		
Nitrate (see Saltpeter).		
Oxalate, neutral pure, gran., bbls., dms.	lb.	.37 - .50
tech. fine gran., bbls., dms.	lb.	.28 - .31
Perchlorate, kgs., works	lb.	.09¾- .11
Permanganate, tech., dms., wks.	lb.	.19¾- .20¼
USP, dms., works	lb.	.20½- .21
Persulphate, dms., c.l., works,	lb.	.16 - —
l.c.l., same basis	lb.	.20 - —
Prussiate, red, kgs	lb.	.50 - .53
Yellow, bbls	lb.	.16 - .17
Ricinoleate, tech., bbls	lb.	.18 - —

Potash silicate, glass, bgs., c.l., works	ton.	900.00 - —
l.c.l.	100 lbs.	15.25 - —
solution, 29° Be, ret. drums, c.l., works	100 lbs.	4.25 - —
l.c.l., 5 or more, works	100 lbs.	5.00 - —
1-4, works	100 lbs.	5.50 - —
32° Be, ret. dms., c.l., wks.	100 lbs.	4.75 - —
32° Be, ret. dms., l.c.l., 5 or more, works	100 lbs.	5.50 - —
1-4, works	100 lbs.	6.00 - —
40.5° Be, ret. dms., c.l., works	100 lbs.	5.75 - —
l.c.l., 5 or more, works.	100 lbs.	6.50 - —
1-4, works	100 lbs.	7.00 - —
Sulphate, NF, gran	lb.	.14 - .20
powd., bbls	lb.	.15 - .21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min., 50% ex vessel, Atl. or Gulf ports.	ton.	36.25 - —
Sulphocyanide, NF, dms	lb.	.70 - .75
Thiocyanate, bbls	lb.	.62 - .65
kgs.	lb.	.70 - .75
Xanthate, dms., c.l.	lb.	.12 - —
Potash-gold cyanide, 41% gold, bots., works	oz.	14.20 -14.95
Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports	ton.	36.00 - —
Potash-soda ferricyanide, kgs., works	lb.	.40 - .43
Potash-titanium oxalate, bbls., dms.	lb.	.45 - .50
Prickly ash bark, bls	lb.	.23 - .25
Berries, bgs	lb.	.20 - .21
Prince's pine herb, bls	lb.	.63 - .65

SUN SPIRITS . . . Keeps Drying-Time Normal,

Eliminates Super-Fast Drying and Surface-Blemishes

A mid-west manufacturer, who spray-paints his products, was having serious trouble with his thinning and drying. He was using a special product as a thinner, but it was very volatile and evaporation-losses were high.

Trouble started when the spray-gun was held more than two feet away. The spray dried too rapidly before reaching the surface to be painted.

After switching to Sun Spirits, evaporation-losses (and fire-hazards) were reduced. Sun Spirits now causes the paint to dry at a satisfactory rate. In addition, there has been a considerable saving in the cost of the thinner used.

Controlled volatility, high solvency for both natural and synthetic resins, high wetting-out power, uniformity in tank-car or drum, these are the outstanding characteristics of Sun Spirits, the reasons it is used in hundreds of plants. Call the Sun Engineer near you for complete information, or write . . .

SUN OIL COMPANY • *Phila. 3, Pa.*

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SUNOCO

SUN INDUSTRIAL PRODUCTS

OILS FOR AMERICAN INDUSTRY

Procaine hydrochloride, cns., 100-lb. lots	lb.	4.00 - —
smaller lots	lb.	4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3	gal.	.03¾- —
Propyleneglycol,[2] dms., c.l., frt. alld. in E.	lb.	.15½- —
l.c.l., same basis	lb.	.16½- —
tanks, same basis	lb.	.14½- —
Psyllium seed (see Fleaseed).		
Pulsatilla, bls.	lb.	.65 - .66
Pumice, grd., fine, bgs., ton lots	lb.	.03¾- —
smaller lots	lb.	.03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots	lb.	.03¾- —
smaller lots	lb.	.03¾- .04¼
Chi., ton lots	lb.	.04½- —
Pumice in bbls. is ½c. per lb. higher.		
Pumpkin seed, bgs.	lb.	No stocks
Purple lake (see Red).		
Putty, com'l, dms.	100 lbs.	3.15 - —
linseed oil, raw, dms.	100 lbs.	5.00 - —
refined, dms.	100 lbs.	5.50 - —
standard, dms.	100 lbs.	4.20 - —
Pyrethrum,[3] concentrate, dewaxed, 20% for aerosol bombs, bbls., works	lb.	9.25 - 9.50
Pyrethrum concentrate, liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works	gal.	7.15 - —
(30 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works	gal.	10.65 - —
Flowers, coarse-grd., 0.9% pyrethrins, bbls., works	lb.	.21½- —
fine-grd., 0.9% pyrethrins, bbls., works	lb.	.23¾- —
powder, 0.5% pyrethrins, bbls., works	lb.	.25 - —
Pyridin, denaturing, ret. dms., works, frt. equald.	gal.	1.55 - 1.60
refd., 2°, ret. dms., same basis	lb.	.45 - .45¼
Pyrites, Spanish, c.i.f. Atl. ports, long ton		8.00 -10.00
Pyrocatechin (see Catechol).		
Pyronate, dms., works	gal.	.75 - 1.25
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines	ton	10.00 -11.50
325 mesh, same basis	ton	13.00 -13.90
No. 3, 200 mesh, c.l., mines	ton	9.50 - —
325 mesh, same basis	ton	11.50 - —
Pyrophyllite in paper bags, $1.50 per ton extra.		
Pyroxylin, transparent, c.s., works	lb.	.19 - —
black, cs., works	lb.	.17 - —
China, white ivory, cs., works	lb.	.17 - —
dense, white, cs., works	lb.	.17 - —
gray, cs., works	lb.	.17 - —
mixed, mottled, cs., wks.	lb.	.14 - —
translucent pastels, cs., wks.	lb.	.17 - —
transparent, cs., works	lb.	.19 - —
colors, cs., works	lb.	.17 - —
shavings, amber, cs., works	lb.	.17 - —
mixed colors, cs., works	lb.	.14 - —
white, cs., works	lb.	.17 - —

Q

Quassia chips, bls.	lb.	.08 - .09
Quebracho extract,[4] solid, 65%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account	lb.	.05¾- .06¾
clarified, 84%, bgs., c.l., same basis	lb.	.06½- .06¾
dissolved, 55% tan., bbls., works	lb.	.04575- .0590
tanks, works	lb.	.04075- —
ground, 70%, bgs., c.l.	lb.	.089 - —
l.c.l., bgs.	lb.	.0915- —
Queen of the meadow root, bgs.	lb.	.11 - .12
Quercitron, crystals, bbls.	lb.	.26 - —
extract, bbls., No. 1	lb.	.10 - —
No. 2	lb.	.09½- —
No. 3	lb.	.09 - —
solid, bxs.	lb.	.18¾- —
Quicksilver, flasks (76 lbs. net).	flask.	108.00-113.00
Quince seed, bgs.	lb.	1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.	oz.	No stocks
powd., precip., cns.	oz.	No stocks
Sulphate, USP, cns.	oz.	No stocks
Quinine,[6] NF, cns., 100 ozs.	oz.	No stocks
Acetate, cns., 100 ozs.	oz.	No stocks
Arsenate, cns., 100 ozs.	oz.	No stocks
Arsenite, cns., 100 ozs.	oz.	No stocks
Bisulphate, USP, cns., 100 ozs.	oz.	No stocks
Dihydrobromide, bots., 50 ozs..	oz.	No stocks
Citrate, cns., 100 ozs.	oz.	No stocks
Ethylcarbonate, USP, cns., 100 ozs.	oz.	No stocks
Ferrocyanide, cns., 100 ozs..	oz.	No stocks
Formate, cns., 100 ozs.	oz.	No stocks
Glycerophosphate, cns., 100 ozs.	oz.	No stocks
Hydrochloride, USP, cns., 100 ozs.	oz.	.80½- —
Hydrochlorosulphate, cns., 100 ozs.	oz.	No stocks
Hydroiodide, cns., 100 ozs.	oz.	No stocks
Hypophosphite, cns., 100 ozs.	oz.	No stocks
Phosphate, NF, cns., 100 ozs.	oz.	No stocks
Salicylate, NF, cns., 100 ozs.	oz.	No stocks
Sulphate, USP, cns., 100 ozs.	oz.	.80½- —
Sulphocarbolate, cns., 100 ozs.	oz.	No stocks
Tannate, USP X, cns., 100 ozs.	oz.	No stocks
Tartrate, cns., 100 ozs.	oz.	No stocks
Valerate, NF IV, 100 ozs.	oz.	No stocks
Quinine-urea hydrochloride,[6] USP, cns.	oz.	No stocks
Quinoline, dms., c.l., works	lb.	.24½- .50

R

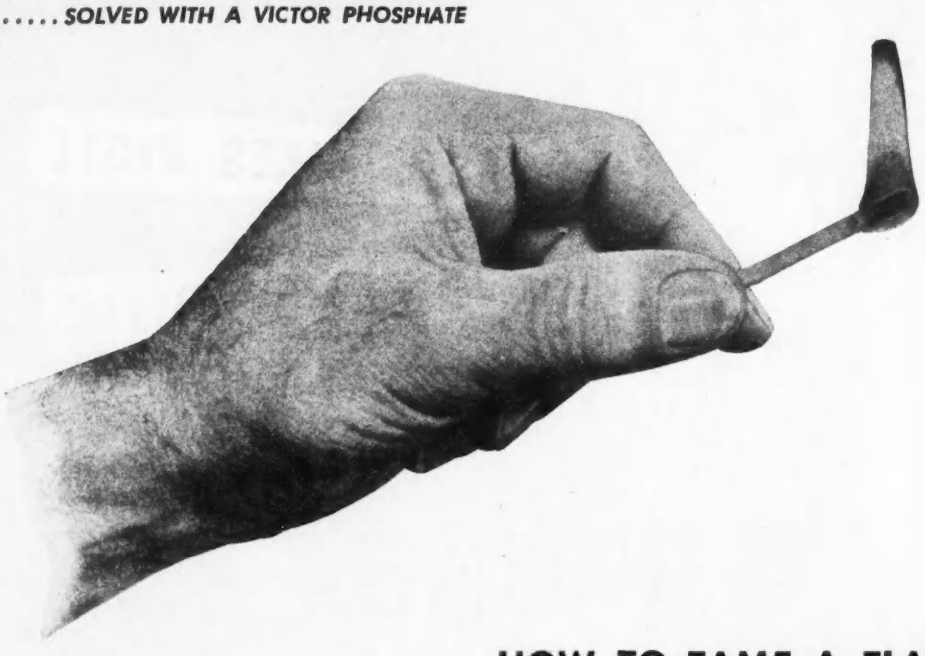
R salt, dry, bbls.	lb.	.65 - —
paste, dms.	lb.	.52 - —
Raspberries, dried, bls.	lb.	1.65 - 1.75
Red, alizarin lake,[2] bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.) El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.		
Cadmium lithopone, deep shade, bbls., E. Rockies	lb.	1.00 - —
light shade, bbls., same basis	lb.	.85 - —
medium shades, bbls., same basis	lb.	.80 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.		
Selenide, dark, bbls., works, lb.		2.50 - —
light, same basis	lb.	2.20 - —
Orange (see Orange).		
Carmine, No. 40, dms., 100-lb. lots, works	lb.	4.00 - —
smaller lots, same basis	lb.	4.75 - 5.25
Crocus Martis (see Red, purple oxide).		
Dyes (see Dyes, coaltar).		
Eosin toner, bbls., works	lb.	1.35 - —
Firetoner, dom., bbls., works	lb.	.85 - —
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.09¼- —
80-85%, bbls., same basis	lb.	.09¾- —
imp., English, all shades	lb.	.12 - —
Oxide, pure, bbls.	lb.	.09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis	lb.	.08¾- —
80% copperas oxide, bbls., same basis	lb.	.085 - .090
Lacquer, maroon, bbls., wks.	lb.	1.25 - —
Lake C toner, alizarin, bbls., works	lb.	.90 - —
Lithol toner, alizarin, lake, bbls., works	lb.	.60 - —
Pink, bbls., works	lb.	.20 - .25
Rose lake, bbls., works	lb.	.25 - .28
Lithol-rubin toner, alizarin lake, bbls., works	lb.	1.10 - —
Maroon, alizarin lake 25% kgs., works	lb.	.40 - —
Cadmium, bbls., works	lb.	1.10 - —
deep, bbls., same basis	lb.	1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.		
Mercury oxide,[2] tech., bbls., 10,000 lbs., works	lb.	2.60 - —
smaller lots, works	lb.	2.62 - —
Metallic, bbls., works	lb.	.02 - —
Oxide (see Red, iron oxide).		
Para[2] toner, concent., alizarin lake, kgs., works	lb.	.70 - —
Persian (see Orange).		
Phloxin toner (see Red, eosin toner).		
Phosphotungstic, rhodamine Y, kgs., works	lb.	4.15 - —
Purple lake, kgs.	lb.	1.00 - —
Scarlet ink toner, kgs., works.	lb.	.55 Nom.
Spanish oxide, grade 1, c.l., bbls.	lb.	.04¾- .07¾
Toluidin toner, alizarin lake, kgs., works	lb.	1.05 - —
MNPT maroon toner, kgs., works	lb.	3.25 - —
Turkey, bbls., works	lb.	.14½- —
Tuscan, bbls., E. St. L.	lb.	.11 - —
Venetian, 5%, bbls., wks.	lb.	.0220- —
10%, bbls., works	lb.	.0245- —
15%, bbls., works	lb.	.0265- —
20%, bbls., works	lb.	.02¾- —
25%, bbls., works	lb.	.03 - —
30%, bbls., works	lb.	.03½- —
35%, bbls., works	lb.	.0360- —
40%, bbls., works	lb.	.04 - —
Vermilion, Amer., bbls.	lb.	.35 - .40
Quicksilver, bbls.	lb.	2.50 - 2.65
Red precipitate,[2] NF, powd., dms.	lb.	2.77 - 2.79
Red saunders wood, grd., bbls.	lb.	.35 - —
Resorcinol, tech., dms., works	lb.	.64 - .74
USP, cryst., dms., frt. alld.	lb.	1.60 - —
Rhatany root, bgs.	lb.	.15 - .16
Rhubarb, whole, cs.	lb.	.42 - .45
powd., bbls.	lb.	.46 - .48
Riboflavin, bots.	kilo.	200.00 - —
Rice bran concentrate, dms., Cedartown, Ga. or Emeryville, Calif., seller's option.	lb.	.79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't	lb.	.42½- —
smaller lots	lb.	.44 - .47
powd., bbls., 5,000 lbs., 1 ship't	lb.	.42½- —
smaller lots	lb.	.43 - .46
Rose flowers, pale, bls.	lb.	.55 - .56
Rosemary flowers, bls.	lb.	1.35 - 1.65
Leaves, Portuguese, bls.	lb.	.11 - .11¼
Spanish, bls.	lb.	.13¾- .14¼
Rosin, gum,[1,4,7]—		
B, dms., c.l.	100 lbs.	6.65 - —
D, dms., c.l.	100 lbs.	6.75 - —
E, dms., c.l.	100 lbs.	7.25 - —
F, dms., c.l.	100 lbs.	7.35 - —
G, dms., c.l.	100 lbs.	7.42 - —
H, dms., c.l.	100 lbs.	7.44 - —
I, dms., c.l.	100 lbs.	7.44 - —
K, dms., c.l.	100 lbs.	7.45 - —
M, dms., c.l.	100 lbs.	7.50 - —
N, dms., c.l.	100 lbs.	7.65 - —
WG, dms., c.l.	100 lbs.	7.91 - —
WW, dms., c.l.	100 lbs.	8.18 - —
X, dms., c.l.	100 lbs.	8.18 - —
Wood,[1,4,7] B (resin), dms., c.l., works	100 lbs.	3.00 - —
FF, dms., c.l., works	100 lbs.	4.50 - —
G, H, I, dms., c.l., works	100 lbs.	4.85 - —
K, dms., c.l., works	100 lbs.	5.00 - —
M, dms., c.l., works	100 lbs.	5.05 - —
N, dms., c.l., works	100 lbs.	5.15 - —
WG, dms., c.l., works	100 lbs.	5.25 - —
WW, X, dms., c.l., works	100 lbs.	5.40 - —
Rotenone,[1,8] bbls., works	lb.	10.90 -18.80
extract, liq., dms., works	per unit.	1.05 - —
powder (see Cube root).		
Rottenstone, bgs., c.l., mines	ton.	25.50 - —
l.c.l., mines	ton.	27.50 - —
Rue, bls.	lb.	.42 - .80

S

Sabadilla seed, powd., bbls.	lb.	.40 - .45
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up	lb.	1.30 - 1.35
smaller lots	lb.	1.42 - 1.60
Saffron, Mexican, bls.	lb.	1.20 - 1.30
Persian, tins	lb.	48.00 - —
Spanish, NF, tins	lb.	35.00 -38.00
Safrol, cns.	lb.	.90 - .93

ONE OF A SERIES OF PRODUCT PROBLEMS

. . . . . SOLVED WITH A VICTOR PHOSPHATE



THINK *first* OF A

PHOSPHATE

. . . from VICTOR

HOW TO TAME A FLAME WITH PHOSPHATE

Victor ammonium phosphates have long been employed in fireproofing textiles, paper, wood, and other combustible products. Recently, a paper manufacturer came to us with a problem. In fireproofing a special paper, the drying cylinder became corroded and the paper was sticking.

Victor laboratories studied the problem from all angles—the fire resistance of the paper after treatment, the corrosion of the high temperature drying roll, speed of the rolls, the sticking of the paper—and finally came up with the solution! It was the use of Victor Flexible Fyrex, an ammonium phosphate compound containing a softening or plasticizing agent. The paper passed quickly and smoothly through the process; sticking to the hot drum ceased; the drum surface no longer corroded; and the paper came out with a natural feel and flame proofed.

Solving product problems is a major activity of Victor's laboratories. Next time you are confronted with a product problem, think first of a phosphate from Victor. It pays!

PARTIAL LIST OF VICTOR CHEMICALS

Acids . . . formic, metaphosphoric, oxalic, phosphoric, polyphosphoric.

Formates . . . aluminum, sodium, sodium boro-.

Metephosphates . . . aluminum, ethyl.

Orthophosphates . . . ammonium, calcium, iron, magnesium, potassium, sodium.

Oxalates . . . calcium, sodium.

Phosphorus . . . (yellow)

Ferrophosphorus

Phosphorus Compounds . . . chlorides, pentoxide.

Pyrophosphates . . . calcium, sodium acid, sodium iron, tetrapotassium, tetrasodium.

Sulphates . . . magnesium, sodium aluminum.

VICTOR CHEMICAL WORKS

VICTOR CHEMICAL WORKS

HEADQUARTERS FOR PHOSPHATES • FORMATES • OXALATES

141 W. Jackson Boulevard, Chicago 4, Ill.

NEW YORK, N. Y.; KANSAS CITY, MO.; ST. LOUIS, MO.; NASHVILLE, TENN.; GREENSBORO, N. C. PLANTS: NASHVILLE, TENN.; MT. PLEASANT, TENN.; CHICAGO HEIGHTS, ILL.

Sage, Calif., leucophylla, bgs., Pacific coast..lb. .30 - .31
Dalmatian-type, No. 1, bgs., Pacific coast..lb. .95 - .96
No. 2, same basis.....lb. .68 - .69
Cyprus, good, bls.....lb. .17½- .18
fair, bls.....lb. No stocks
Greek, bls.....lb. .27 - .29
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .17½- .18
Washington, Dalmatian-type, bls..lb. .65 - .66
Sage flour, bgs.....lb. .05 - .05¼
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms.....lb. 15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .93
Powdered saloi, 10c. higher. Washington, bls., futures, source lb. .70 - .71
Salt rock, bgs, c.l.....ton. 14.20 - —
l.c.l., bgs.....ton. 17.20 -18.00
vacuum, common, fine, bgs., c.l..ton. 15.70 - —
l.c.l. ... .ton. 19.60 -23.36
Saltcake, dom., bulk, works..ton. 15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns. kilo. 170.00-175.00
Sapeelin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .82 - .83
Sassafras bark, ordinary, bls.. lb. .40 - .42
Sassafras bark, ord., bls.....lb. .40 - .43
select, bls.....lb. .60 - .65
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls.....lb. .30 - .31
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .09 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. .60 - .65
Seidlits mixture, bbls., 5,000 lbs., 1 shipment..lb. .33⅜- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34¾ -
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 1.80 - 1.85
Senna, Alex., half-leaf, bls....lb. .19 - .23
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .17 - .17½
2, bls.....lb. .15 - .15½
3, bls.....lb. .14 - .15
powd., bbls., bgs.....lb. .15 - .17
Poda, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. 1.50 - 1.60
Shellac,[1] bleached, bonedry, bbls., 1,000-lb. lots..lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500-lb. lots. lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast .....lb. .52 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
D.C., V.S.O., Diamond I, 100 bgs..lb. .4000- —
Garnet, 100 bgs.....lb. .3900- —
Superfine, 100 bgs., Boston, N. Y..lb. .3680- —
Chicago .....lb. .3710- —
Pacific coast.....lb. .3940- —
TN, 100 bgs., Boston, N.Y....lb. .3550- —
Chicago .....lb. .3600- —
Pacific coast.....lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 3c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.. ton. 17.00 - —
l.c.l., works .....ton. 20.00 - —
400 mesh, bgs., c.l., works, ton. 18.00 - —
l.c.l., works .....ton. 19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton. 18.00 - —
l.c.l., same basis....ton. 21.00 - —
400 mesh, bgs., c.l., works, ton. 30.00 - —
l.c.l., works .....ton. 35.00 -38.00
99%, 325 mesh, bgs., c.l., works..ton. 20.00 - —
l.c.l., works .....ton. 21.50 -22.00
99%, 325 mesh bgs., c.l., works..ton. 20.00 - —
l.c.l., works .....ton. 22.00 -25.00
hard-quarts, 99½%, 325 mesh, bgs., c.l., works.....ton. 16.50 - —
l.c.l., works .....ton. 18.50 - —
99½%, 140 mesh, bgs., c.l., works..ton. 11.00 - —
l.c.l., works .....ton. 16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works..... ....lb. .18½- .27
Silver bullion.....oz. .71111- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots.....oz. .47½- —
smaller lots.....oz. .47½- .47⅝
Nucleinate, USP, bots., dms. oz. .308 - .325
Proteinate, USP, bots., dms., oz. .308 - .325
Simarubra bark, bls.....lb. .55 - .60
Skunk cabbage root, bls.....lb. .25 - .30
Slate flour, bgs., c.l., works.ton. 11.00 -12.00
l.c.l., works.....ton. 13.00 -15.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, cns.....lb. .05 - .08
Blue, cns.....lb. .07 - .09¼
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .15 - .16
crushed, bls., bbls.....lb. .18 - .19
cut, dom., bls., bbls.....lb. .20 - .21
imp., bbls.....lb. No stocks
powd., bbls.....lb. .21 - .23
Soda acetate, anhyd., dms., dlvd lb. .08¼- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .72 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., drms.....lb. 1.20 - 1.60
Aluminate,[2] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd....lb. .16 - .16¼
Arsenate,[3] dms., dealers, c.l., works..lb. .09½- —
l.c.l., works .....lb. .10⅝- .11½

Soda, arsenite,[4] gray, dms., dealers, c.l., works..lb. .08¼- —
l.c.l., works .....lb. .09 - .10

Soda arsenite, gray, ¼c. higher in Chi. 2c. higher in Houston, Tex., and Palo Alto, Calif.

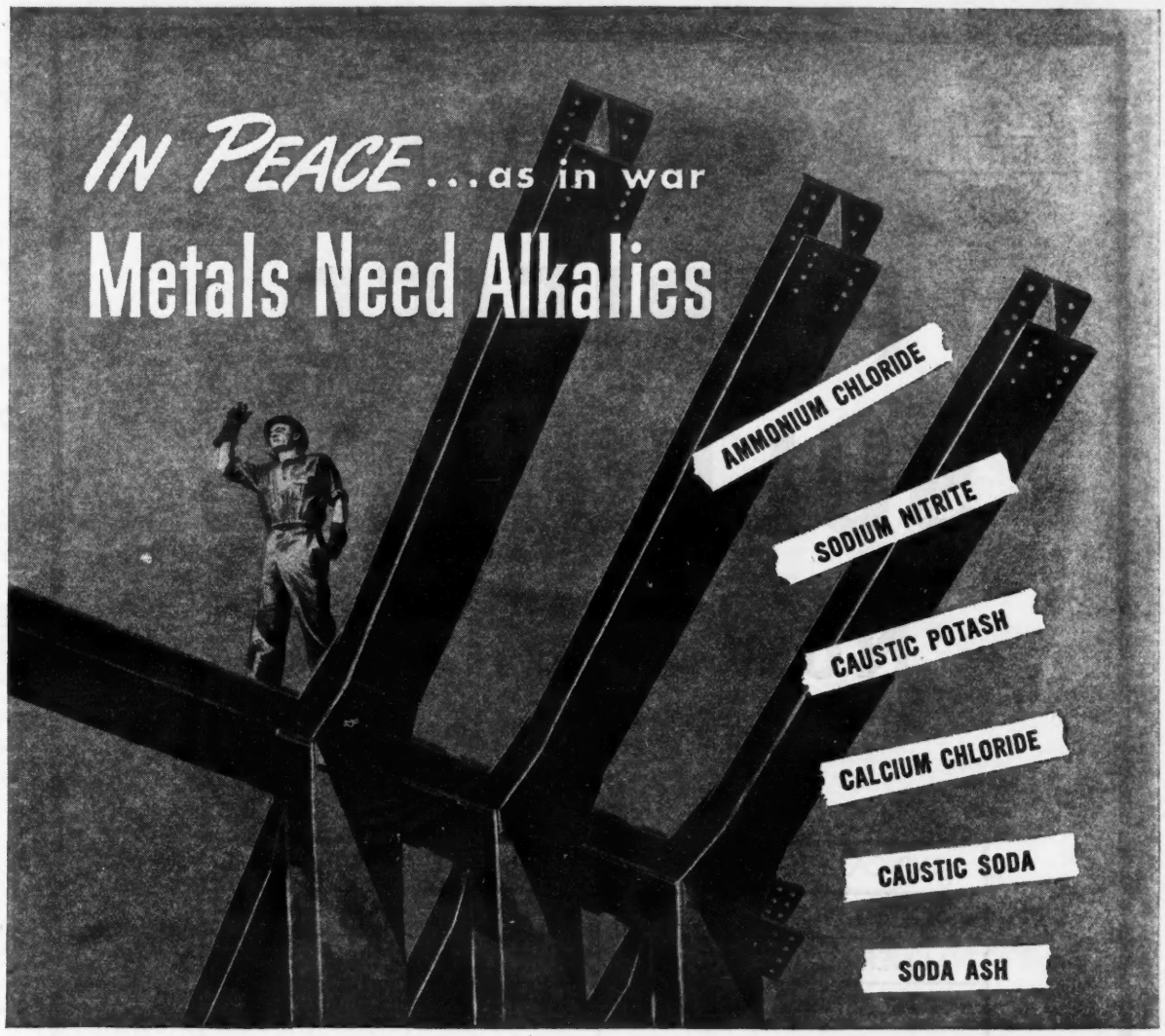
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1.. 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .90 - —
extra, light, 58%, bgs., c.l.. 100 lbs. 1.15 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.10

Soda ash, light, 58%, bgs., l.c.l., dlvd., zone 1..100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .59
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —

Soda, bichromate,[1,6] bgs., c.l., works..lb. .07¾- —
l.c.l., works.....lb. .07⅞- .08¾
Soda bichromate in bbls. ⅛c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11¼- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works. 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls. c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .35 - —
fiber dms., 100 lbs., works. lb. .26 - —
Cacodylate, bots., dms.....lb. 9.00 -12.00
Carbonate (see Soda ash, Soda monohydrate, Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.75 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works..... 100 lbs. 1.95 - —
70%, buyer's tanks, works.. 100 lbs. 1.97½- —
seller's tanks, works..... 100 lbs. 2.00 - —



New lightweight, high-strength aluminum . . . new steel alloys with extra qualities of heat-resistance, non-corrosion . . . From the new light metals to the ferrous and non-ferrous, metals serve peacetime America in numerous forms for a wide range of uses. Vital to metals are alkalies and related products, proving that in peace as in war alkalies are indispensable!

SOLVAY SALES CORPORATION *Alkalies and Chemical Products Manufactured by The Solvay Process Company*

Soda, caustic, solid, 76%, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1, dlvd.....
100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.
Chloride (see Salt).
Chlorate, cryst., kgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[1,2] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equald..lb. .09½- .09¾
Soda chromate in bgs. is ½c. lower.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .25½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
dlvd..lb. .09½- .10½
anhydrous, dms., dlvd.....lb. .12½- —
Diacetate, 32-35% acidity, bbls., .
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
96%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, crys., bbls..100 lbs. 1.25 - —
dms. .....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90

Soda, hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 -
Hydroxide, USP, sticks, dms.lb. .24 - .30
tech. (see Soda caustic).
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, crys., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea cryst., bgs., c.l., works..
100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls.....lb. .10 - .13
Iodate, dms., pars.....lb. 5.40 - 5.45
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb 3.25 - 3.35
Metaborate, gran., bbls., c.l., dlvd..lb. .0485- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0436- —
l.c.l., N. Y., or Chi....lb. .046 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate,[7] anhyd., dms., c.l., works, frt. equald..
100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.80
gran., bbls., c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60
Molybdate,[8] anhyd., kgs., works, lb. .47 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works.....100 lbs. 2.45 - —
Naphthionate, bbls. .....lb. .50 - —

Soda, nitrate,[9] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00
refd., gran., bbls., 10 tons..
100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
west coast ports..100 lbs. 8.00 - 8.65
l.c.l., dlvd. .....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald.....
100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.80
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - 18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt equald.lb. .17 - —
kgs., l.c.l., works, frt. equald...lb. .19 - —
Perborate, NF, bbls., c.l., wks. lb. .14¾- —
l.c.l., works .....lb. .15¾- -
Peroxide, dms., c.l., dlvd., E. of Miss..lb. .14 - —
smaller lots .....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works....
100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works..
100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45

Soda, phosphate, USP XII, dried, bbls., dms., works..lb. .150 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - 6.65
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., same basis, 100 lbs. 2.70 -
l.c.l., same basis.100 lbs. 3.10 -
kgs., c.l., works...100 lbs. 3.40 - -
l.c.l., works.....100 lbs. 3.80 -
Soda phosphate in bbls. 20c. higher.
USP (see Sodium phosphate, dibasic.
Prussiate, yellow, bgs.....lb. .16¾- —
bbls. .....lb. .11 - —
Pyrophosphate,[6] tetra-basic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms. .....lb. .52 - .54
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd .....100 lbs. 2.85 - —
3, dlvd .....100 lbs. 3.10 - —
4, dlvd .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
l.c.l., dlvd. .....100 lbs. 4.05 - 4.20
Silicate, 40°, turbid, spot, dms., c.l., works..100 lbs. .80 - —
l.c.l., works ....100 lbs. 1.05 - 1.20
tanks, works.....ton.13.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works .. ...100 lbs. 1.65 - 1.80
tanks, works .....ton.25.00 - —
Silicofluoride, bbls., c.l., works, lb. .06¼- .07
l.c.l., works.....lb. .08 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works...100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.85 - —
powd., bbls., c.l., works....
100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 5.60
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .60
Sulphohydrate, liquid, 38%, dms., c.l., works, 100% basis, lb. .06 - —
l.c.l., works.....lb. .08 - —
tanks, 100% basis, works, lb. .03¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Tetrapyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-cinchophen, bots., dms...lb. 2.75 - 3.00
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, dms..lb.10.50 -10.60
Soda-sulphamerazin, dms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms.. lb. 2.50 - 2.60
Solvent naphtha,[6] dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Minnesota, Colo.....gal. .26 - —
high-flash,[4] dms., works..gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire-enamel,[6] ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis.....gal. .30 - —
tanks, works.....gal. .22 - —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20½- —
smaller lots, works.....lb. .20½- .24
Sorbitol, com'l, dms., c.l., works, lb. .16¾- —
l.c.l., works.....lb. .17¾- —
Sparteine sulphate, bots., cns..oz. 2.25 - 2.35
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .48 - .49
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works .....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .58
Squill, red, fortified, powd., bbls., bxs..lb. 2.25 - —
White, bls.....lb. .11 - .13
powd., bbls., bxs.....lb. .1¢ - .20
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls...lb. .10¾- .11¼
Starch, corn, pearl, bgs..100 lbs. 4.08 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs. .....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l. .....lb. No stocks.
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .05 - —
Iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks.
Stoneroot, bls. .....lb. .07¼- .08
Storax, cs.....lb. 1.15 - 1.40
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs .....lb. .20 - .22
Strontium bromide, cns., dms.lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls. .....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., kgs., Phila.lb. .35 - .37
Iodide, bots.....lb. 3.00 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works .....lb. .08¼- .09
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton.86.00 - —

ORONITE CHEMICALS

REG. U. S. PAT. OFF.

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PURIFIED SULFONATE

Now available

(OFF ALLOCATION)

TYPICAL TESTS	CONTENT BY WEIGHT
SODIUM SULFONATE	65%*
MINERAL OIL	29%
WATER	6%
INORGANIC SALTS	TRACE
FREE ACIDITY	NONE
FREE ALKALINITY	TRACE

*By Clay Absorption Process

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White-Henry-Stewart Bldg., Seattle 1, Wash.

30 Rockefeller Plaza, New York 20, N. Y.
Standard Oil Bldg., Los Angeles 15, Calif.

Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.65
Strophanthin, bots.....oz. 30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.65 - 2.70
Strychnine, NF, cryst., cns., 100 ozs..oz. .70 - —
powd., cns., 100 ozs.....oz. .60 - —
Acetate, cns., 100 ozs.....oz. .88 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .88 - —
Glycerophosphate, cns., 100 ozs., oz. .89 - —
Hydrochloride, cns., 100 ozs..oz. .88 - —
Hypophosphite, cns., 100 ozs.oz. 1.00 - —
Nitrate, NF, cns., 100 ozs...oz. .82 - —
Phosphate, NF, cns., 100 ozs., oz. .89 - —
Sulphate, USP, cryst., cns., 100 ozs..oz. .88 - —
powd., cns., 100 ozs.....oz. .48 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, USP, dms..... lb. 9.00 - 9.10
Sulphaguanidin, dms.....lb. 4.50 - 4.60
Sulphamerazin, dms.....lb. 9.00 - 9.10
Sulphanilamide, USP, bots....lb. 1.50 - —
fib. dms. .....lb. 1.05 - 1.25
Sulphanilamide, 30-80 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.30
Sulphathiozole, dms. .....lb. 2.50 - 2.60
Sulphonethylmethane, kgs.....lb. 6.75 - 6.95
Sulphonmethane, kgs. .....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton. 16.00 - —
vessels, Gulf ports, contract..long ton. 17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works.. 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., wks. 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works..100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 -
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.35 - —
Chloride, 55-gal. dms. c.l., works..lb. .03 - .03½
l.c.l., works .....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liqu., com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .04½- .06
tanks, works.. .....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb .16 - .21
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls. .....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile under 22%, a.p.a., bulk, production points, Balto., unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $3.03 per ton; guaranteed 18%, 19% or 20% a.p.a., ½c. per unit-ton higher.
triple, 40% or more, a.p.a., bulk, producing points, Florida unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.20 - 1.30

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Talc, dom., ordinary, grd., bgs., c.l., works..ton. 14.50 -24.50
l.c.l., works .....ton. 16.50 -30.00
Calif., bgs., c.l., wks.ton. 17.50 -43.00
Pennsylvania, bgs., c.l., works..ton. 11.00 -13.50
l.c.l., works .....ton. 12.00 -14.50
Vermont, bgs., c.l., works, ton. 14.00 - —
l.c.l. works .....ton. 15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton. 13.00 - —
grd., fine, New York, 325 mesh, 93-94%, bgs., c.l., works..ton. 13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton. 15.25 -19.25
99.85 - 99.95%, bgs., c.l. works..ton. 17.00 -21.00
imp. Canada, bgs., c.l.....ton. 24.00 -30.00
Tallow,[1,7] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose .....lb. .06½- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l.....lb. .10 - .10½
Tallow, sulphonated, l.c.l., ¼c. higher.
Tamarind, bbls. .....lb. .13 - .14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton. 5.55 - —
Chicago .....unit-ton. 5.55 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1] f.o.b. Brazil...lb. .06½- —
delivery N. Y.....lb. .07 - .07½
Java, bgs. .....lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., works..gal. .26½- .27½
l.c.l., works .....lb. .28½- .29½
25%, dms., c.l., works..gal. .30 - —
l.c.l., works .....gal. .32 - —
Tar, pine (see Pinetar).
Tara,[1] powd., c.l. ex dock, U. S. ports..long ton. 118.00 - —
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47½- .49
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52½- .55

Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25 - .26½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .94 - .99
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works... ...lb. .23½- .26½
tech. (see Perchloroethylene).
Tetrallin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb. 12.50 Nom.
Theobromine,[1] dms., 25-lb. lots.. lb. 2.80 - —
smaller lots..... .lb. 2.90 - 3.00
Thiamine hydrochloride, dms., 100 grams or more..kilo. 160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, California, French type, bls., Pacific Coast..lb. .90 - .92
Spanish, bls.....lb. .15½- .16
Thymol, cns.. .....lb. 2.40 - 2.75
Iodide, dms .....lb. 3.40 - 3.80
Timbo root,[1,6] (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[1,6] .....lb. .53 - —
Bolivian .....lb. .63½- —
Straits .....lb No stocks
Oxide,[6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., divd..lb. .15 - —
l.c.l., divd.....lb. .15½- .15⅝
nonchalking,[1,4] bgs., c.l., divd. E...lb. .16½- —
l.c.l., divd.....lb. .16⅝- .17⅛
plain,[4] bgs., c.l., divd.....lb. .14½- —
l.c.l., divd.....lb. .14⅝- .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium, base,[1,4] bgs., c.l., divd..lb. .05¾- —
l.c.l., divd.....lb. .06 - —
Calcium, base,[1,4] bgs., c.l., divd..lb. .05½- —
l.c.l., divd.....lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., divd..lb. .05½- —
l.c.l., divd.....lb. .05¾- —
Magnesium base, [1,4] bgs., c.l., divd..lb. .05¾- —
l.c.l., divd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c higher; Pac. coast ¼c. higher, c.l., divd.. l.c.l., ex whse.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00

Tolu balsam, cns.....lb. 1.75 - 1.80
Toluidin base, distilled, kgs...lb. .96 - —
Toluene (see Toluol).
Toluol (toluene) coaltar, 2° indust., dms., return, wks. gal. .23 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
1° nitration, ret. dms., works, gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol.
Tonga, 50% bark and vine, bbls., lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.50 - 1.60
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs., ozs, cs. .32 - —
Triacetin, dms., works.....lb. .32 - .36
Triamylamine, dms., c.l., works, lb. .96 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs. .....lb. .34 - .40
Phosphate, cns., l.c.l., divd..lb. .52 - .55
dms., l.c.l., divd.....lb. .40 - —
Tributylamine, dms., c.l., works, lb. .75 - —
l.c.l. works .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .03 - —
l.c.l., frt., alld.....lb. .03½- —
tanks, frt. alld. .....lb. .07½- —
Trichloroethane, dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17 - —

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A post-war building boom with its attending need for paint, together with the vast repainting job that will follow in the wake of war-time neglect, add up to a great potential market. In planning to capture your share of this business TITANOX pigments, should have first place on your list of strategic materials.

The worth of these fine titanium dioxide pigments, first proven in civilian fields, has been further attested by exceptional performance under the rigorous conditions of war-time usage.

If you have utilized TITANOX pigments in your formulations there is little need to tell you of the fine qualities they contribute to paints of every description—such as high hiding, exceptional tint retention, resistance to chalking, cracking and checking, and whiteness and brightness of the highest order.

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Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —

Trichloroethylene, l.c.l., prices ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate,[6] tech., cns. works..lb. .26 - .30½
dms., c.l., divd.....lb. .25 - —
l.c.l., divd. .....lb. .25½- —
tanks, divd.....lb. .24 - —

Triethanolamine,[6] dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —

Triethyl phosphate, cns.....lb. .40 - —

Triethylamine, dms., basis 100%, c.l., works..lb. .34 - —
l.c.l., works.....lb. .36 - —
tanks, works.....lb. .30 - —

Triethylenegiycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —

Trimethylamine, dms., c.l., divd. .....lb. .85 - —
l.c.l., divd. .....lb. .90 - —

Trimethylolpropane, bbls.....lb. .65 - —

Triphenyl phosphate,[6] bbls., c.l., frt. alld..lb. .26 - —
l.c.l., same basis.....lb. .27 - .27½

Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works..ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —

Trisodium phosphate (see Soda phosphate, tribasic).

Tuba root,[2] (see Cube root).

Tungsten metal, powd.,[2] 99-99.7% dms., works..lb. 2.60 - 5.40
Oxide, kgs. .....lb. No prices.

Turmeric root, Alleppey, bls..lb. .10½- .11
Haitian, bls., Miami or New Orleans..lb. .10 Nom.
Madras, bgs. .....lb. .12 Nom.

Turpentine, gum, ret. dms...gal. .92 - .96
Wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East .....gal. .60 - —
steam-dist., ret. dms., East, gal. .80 - .83
tanks, East .....gal. .74 - .75
Sulphate, ret. dms.....gal. .65 - .76

U

Unicorn root, false (see Helonias root)
True (see Aletris root).

Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb 1.65 - —

Urea, dom., 46% N., bgs., c.l. works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -85.00
import, pure, cs.....lb. .12 - —

Fertilizer comp., 42% N., bulk, c.l., works, or Atlantic or Gulf ports..ton.57.40 - —

Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —

fixed ammonia content, Belle, W. Va., freight equalized with Hopeville, Va., NH_3, ton.112.80 - —

Urea-ammonia liquor, fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations

Urunday, c.l., ex dock, in bond, lb. .05 - —

Urunday price based on ocean frt., at $12, insurance $1. per]'

Uva ursi leaves, bls.....lb. .19 - .20

V

Valerian root, Belgian, NF, bls., futures..lb. .55 - .60
Indian, bls.....lb. .45 - .46

Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices

Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —

Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00

Tahiti, white label, tins....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks

Vanillin,[1] ex eugenol, tins, 25 lbs or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs. or more, lb. 2.25 - —
smaller lots, tins.....lb 2.40 - 2.50

Venice turpentine, artif., cns..lb. .34 - —
Verdigris, bbls., bgs.....lb. .22 - .46
Vinyl acetate, obys., works....lb. .21 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works, lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).

Vinylpyridin, ret dms., works.lb. 1.50 - —

Viosterol (irradiated ergosterol), bots., mil. units. .10 - .12
in corn oil (see Calciferol).

Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol)
D_2 (see Calciferol).
E (see Alpha tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide)
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

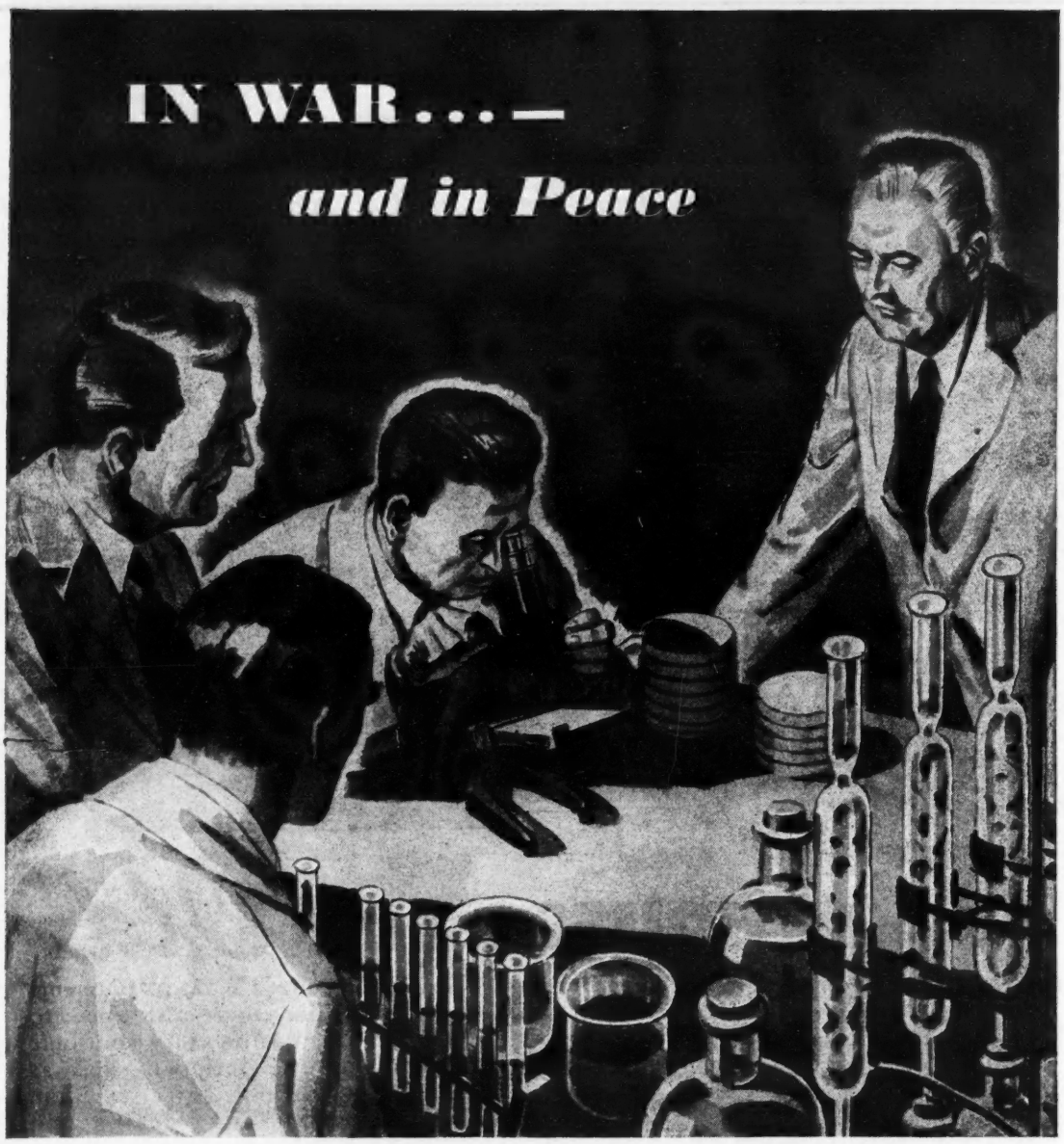
Wahoo root bark, bls.....lb. .55 - .60
Wattle bark,[1,6] E. African, bgs., f.a.s..ton.53.00 - —
S. Afr., bgs., f.a.s.....ton.53.00 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks .....lb. .04¾- .05¼
solid, E. Agr., 61% tannin, ex dock..lb. .05595- .05845
S. Afr., tannin, ex dock.lb. .0572- .0597

Wax, amorphous (see Wax, microcrystalline).

Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, bgs., ton lots..lb. No stocks
discs or cakes, bgs., ton lots..lb. No stocks
ctns., ton lots.....lb. No stocks
slabs, bgs., ton lots...lb. No stocks
crude, pure, African, bgs., ton lots..lb. No stocks
smaller lots.....lb. No stocks
Western hemisphere, bgs., ton lots..lb. No stocks
ref'd, USP, bricks, bgs., ton lots..lb. No stocks
discs., bgs., ton lots....lb. No stocks
ctns., ton lots.....lb. No stocks
round or squares, bgs., ton lots..lb. No stocks
ctns., ton lots.....lb. No stocks
slabs, bgs., ton lots....lb. No stocks
Candelilla, crude, bgs., ton lots. lb. No stocks
200 lbs. or over.....lb. No stocks
100 lbs.....lb. No stocks
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton lots.....lb. No stocks
200 lbs. or over.....lb. No stocks
100 lbs.....lb. No stocks
smaller lots.....lb. No stocks
Carnauba, chalky, No. 3, bgs., ton lots..lb. No stocks
smaller lots.....lb. No stocks
North Country, No. 2, bgs., ton lots..lb. No stocks
smaller lots.....lb. No stocks
No. 3, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
refined, bgs., ton lots.lb. No stocks
smaller lots.....lb. No stocks
yellow, No. 1, bgs., ton lots. lb. No stocks
smaller lots.....lb. No stocks
No. 2, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
No. 3, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
Carnauba wax, powdered (same differentials as candelilla).

Ceresin, dom., 138°-140° m.p., bgs., ton lots..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., ton lots lb. 15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., ton lots lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Micro-crystalline, 170° - 175° m.p., A.S.T.M., amber, ctns., 20 tons yearly, contract, group 3, works. lb. .14½- —
amber, ctns., smaller lots, same basis..lb. .14½- .15½
black, ctns., 20 tons, same basis..lb. .12¾- —
smaller lots, same basis, lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 20 tons, same basis..lb. .16½- —
smaller lots, same basis, lb. .16½- .17½
black, ctns., 20 tons, same basis..lb. .14¾- —
smaller lots, same basis, lb. .15 - .15¾
white, ctns., 20 tons, same basis..lb. .22¾- —
smaller lots, same basis, lb. .29 - .30½
Montan, domestic, bgs.....lb. .80 - .85
Ouricury, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
refined, bgs., ton lots....lb. No stocks
smaller lots.....lb. No stocks
powdered ouricury prices same as candelilla.
Paraffin (see P)
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).

White precipitate,[2] powd., dms., 50 lbs. or more..lb. 2.50 - —
White zinc bark, rossed, bls..lb. .14 - .15
Whiting, chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.26.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.26.00 -37.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works, ton. 6.00 - —
smaller lots, N.E., works, ton. 7.00 - 9.00
wet-grd., air-coated, 325 mesh, 90¼%, bgs., c.l..ton. 9.25 -10.10
200 mesh, 99¼%, bgs., c.l., ton. 8.00 - 9.50
99% bgs., c.l .....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.10.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —



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Petroleum Waxes • Sulfated Oils • Synthetic Detergents • Textile Compounds • Wetting Agents

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l.c.l. ton. 25.00 -29.00
precipitated, bgs., c.l. ton. 14.00 -15.00
l.c.l. ton. 16.00 -20.00
Wild cherry bark, thick, bls. lb. .06 - .07
thin, natural, bgs. lb. .16 - .17
rossed, green, bls. lb. .25 - .26
Wild indigo root, bls. lb. .30 - .31
Witch-hazel leaves, bls. lb. .21 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y. ton. 20.00 - —
60 mesh, same basis. ton. 24.00 - —
80 mesh, same basis. ton. 27.00 - —
100 mesh, same basis. ton. 30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs. lb. .20 - .21
Levant, bgs. lb. 4.50 - 4.75
Wormwood, bls. lb. .60 - .69

X

Xanthorrhiza, bls. lb. .24 - .25
Xylene (see Xylol).
Xylidin, mixed, dms. lb. .85 - .86
Xylol (xylene), coaltar, indus., rst. dms., works, gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
West Minnequa, Colo. gal. .26 - —
10°, rst. dms., works gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, rst. dms., works gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
8°, rst. dms., works gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —

Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns. lb. 1.75 - 1.90
Yeast, brewer's, dry, 50 B units, dms. lb. .35 - —
90 B units, dms. lb. .45 - —
200 B units, dms. lb. .50 - —
300 B units, dms. lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul. lb. .22 - —

Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.

Benzidin, bbls., divd. lb. 1.85 - 1.95
Cadmium, CP, bxs. lb. 1.35 - 1.40
ton lots, E. of Rockies. lb. .55 - —
smaller lots, same basis, lb. .65 - —
Yellow sulphide, orange, cs., kgs., works. lb. 1.10 Nom
Chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts. lb. .16 - —

Chrome yellow prices are ½c. higher, divd Ala., Fla., Ga., La. (Shreveport), 1¼c. Miss., N. C., S. C., Tenn., Tex. (Dallas) 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

—*Continued on page 58*

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

A

Abalyn (see methyl abetate in Current Market Quotations)
Acryloid, acrylic ester type, A-10 (30% in cellosolve acetate), bbls., c.l. lb. .36 - —
10 dms.—1 to 9 dms. lb. .37 - .38
B-7 (20% in ethylene dichloride), bbls., c.l. lb. .28 - —
10 dms.—1 to 9 dms. lb. .29 - .30
B-72, B-73 (40% in toluol), bbls., c.l. lb. .42 - —
10 dms.—1 to 9 dms. lb. .43 - .44
C-10 (20% in ethyl acetate), bbls., c.l. lb. .28 - —
10 dms.—1 to 9 dms. lb. .29 - .30
C-10LV (40% in toluol), bbls., c.l. lb. .44 - —
10 dms.—1 to 9 dms. lb. .45 - .46
C-5 (20% in toluol), bbls., c.l. lb. .28 - —
10 dms.—1 to 9 dms. lb. .29 - .30
F-10 (40% in mineral thinner and No. 3 solvent), bbls., c.l. lb. .42 - —
10 dms.—1 to 9 dms. lb. .43 - .44
SF-100 (100% in solids), dms., c.l. lb. .60 - —
10 dms.—1 to 9 dms. lb. .61 - .62
Acrysol, C-9, dms., 10 dm., 1-9-dm. lots. lb. .38 - .38¾
ER, MR, dms., c.l., 10 dm., 1-9-dm. lots. lb. .42 - .44
WA-5, dms., 10 dm., 1-9-dm. lots. lb. .42½- .43

Acryloid and Acrysol prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the States of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Amberlac B-94 (50% in xylol), bbls., c.l. lb. .22 - —
l.c.l. lb. .22½- —
D-96, bbls., c.l. lb. .24½- —
l.c.l. lb. .25 - —
30-X, bbls., c.l. lb. .18½- —
l.c.l. lb. .19 - —
31-X (70% in xylol), bbls., c.l. lb. .18 - —
l.c.l. lb. .18½- —
30-MT (50% in mineral thinner), bbls., c.l. lb. .16 - —
l.c.l. lb. .16½- —
Amberol, phenol formaldehyde type, F-7, light, bbls., c.l. lb. .17½- —
l.c.l. lb. .18 - —
extra light, bbls., c.l. lb. .17¾- —
l.c.l. lb. .18¼- —
dark, bbls., c.l. lb. .17 - —
l.c.l. lb. .17½- —
F-71, bbls., c.l. lb. .17½- —
l.c.l. lb. .18 - —
Amberol, F-77, bbls., c.l. lb. .19 - —
l.c.l. lb. .19½- —
K-12-A, bbls., c.l. lb. .18 - —
l.c.l. lb. .18½- —
B/S-1, light, bbls., c.l. lb. .16 - —
l.c.l. lb. .16½- —
extra light, bbls., c.l. lb. .16½- —
l.c.l. lb. .17 - —
dark, bbls., c.l. lb. .15½- —
l.c.l. lb. .16 - —
M-82, bbls., c.l. lb. .15½- —
l.c.l. lb. .16 - —
M-88, bbls., c.l. lb. .18 - —
l.c.l. lb. .18½- —
M-93, bbls., c.l. lb. .19 - —
l.c.l. lb. .19½- —
226, bbls., c.l. lb. .22½- —
l.c.l. lb. .23 - —
ST-137X, bbls., c.l. lb. .32 - —
l.c.l. lb. .32½- —
HH-1 (70% in toluol), bbls., c.l. lb. .33 - —
l.c.l. lb. .35 - —
resin, maleic type, 800, extra light and light, bbls., c.l. lb. .16½- —
l.c.l. lb. .17 - —
801, extra light and light, bbls., c.l. lb. .17½- —
l.c.l. lb. .18 - —
801-P, bbls., c.l. lb. .16¼- —
l.c.l. lb. .16¾- —
806-P, bbls., c.l. lb. .15½- —
l.c.l. lb. .16 - —
808, bbls., c.l. lb. .16½- —
l.c.l. lb. .17 - —
820, bbls., c.l. lb. .18 - —
l.c.l. lb. .18½- —
925, bbls., c.l. lb. .14½- —
l.c.l. lb. .15 - —
926, bbls., c.l. lb. .15 - —
l.c.l. lb. .15½- —
750, bbls., c.l. lb. .28 - —
l.c.l. lb. .28½- —

Amberlac and Amberol prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the States of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Aquaplex (resin emulsion type), S-6, bbls., c.l. lb. .14 - —
l.c.l. lb. .14½- —
AM-92, bbls., c.l. lb. .14 - —
l.c.l. lb. .14½- —
Aroclors, distilled, dms., c.l., works. lb. .18 - —
ton lots, works. lb. .18½- —
single dms., works. lb. .19 - —
undistilled, dms., c.l., works. lb. .15½- —
ton lots, works. lb. .16 - —
single dms., works. lb. .16½- —

B

Bakelite, phenolic, BR-10433, non-ret. dms., ton, works. lb. .37 - —
single dm. and less. lb. .37½- .40
BR-9366, non-ret. bbls., ton, works. lb. .18½- —
single dm. and less. lb. .19 - .21½
phenolic resins, rosin reactive, XR-15775, non-ret. dms., ton, works. lb. .33½- —
single dm. and less. lb. .34 - .36½
XR-15778, non-ret. dms., ton, works. lb. .30 - —
single dm. and less, works. lb. .30½ - .33
Bakelite, liquid types, C-9 resins, oil modified, BR-14590, non-ret. dms., ton, works. lb. .26 - —
single dm. and less. lb. .26½- .29
XR-15780, non-ret. dms., ton, works. lb. .34 - —
single dm. and less. lb. .34½- .37
BR-16640, non-ret. dms., ton, works. lb. .34 - —
100% paraphenyl phenol resin, pale, non-heat hardening BR-254, non-ret. bbls., ton, works. lb. .33 - —
single dm. and less, works. lb. .33½- .36
phenolic, pale, non-heat hardening, BR-9432, non-ret. bbls., works. lb. .31 - —
single dm. and less, works. lb. .31½- .34
BR-4036, non-ret. bbls., ton, works. lb. .37 - —
single dm. and less, works. lb. .37½- .40
BR-17700, non-ret. bbls., ton, works. lb. .32½- —
single dm. and less. lb. .33 - .35¼
dark, non-heat hardening, BR-1329, non-ret. bbls., ton, works. lb. .29 - —
single dm. and less, works. lb. .29½- .32
BR-9484, non-ret. bbls., ton, works. lb. .25½- —
single dm. and less, works. lb. .26 - .28½
BR-9476, non-ret. bbls., ton, works. lb. .29 - —
single dm. and less, works. lb. .29½- .32
pale, heat-hardening, BR-3300, non-ret. bbls., ton. lb. .36 - —
single dm. and less, works. lb. .36½- .39

HORSE HEAD XX ZINC OXIDE
LEHIGH LEADED ZINC OXIDE
FLORENCE ZINC OXIDE
KADOX ZINC OXIDE
STANDARD ZINC DUST
CRYPTONE ZS Zinc Sulfide Technically Pure
CRYPTONE BA Zinc Sulfide—Barium Pigment
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PROTECTIVE COATINGS

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Achilles' Heel?

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Bakelite, C-9 resins, solid types, [illegible]-13302, non-ret. bbls., ton, works..lb. .15 - —
single dm. and less..lb. .15½- .16
BR-13260, non-ret. bbls., ton, works..lb. .37 - —
single dm. and less..lb. .37½- .40
BR-10282, non-ret. bbls., ton, works..lb. .32 - —
single dm. and less, works..lb. .32½- .35
BR-14634, non-ret. bbls., ton, works..lb. .30 - —
single dm. and less, works..lb. .30½- .33
oil modified, BR-302, non-ret. dms., ton, works..lb. .346 - —
single drum and less, works..lb. .351 - .376
BR-2175 (MTO), non-ret. kegs, ton, works..lb. .33 - —
single dm. and less, works..lb. .33½- .41
resin-baking types, BV-1600, ret. dms., ton, works..lb. .30 - —
single dm. and less, works..lb. .30½- .33
BV-8966 (MTO), non-ret. dms., ton, works..lb. .20 - —
single dm. and less, works..lb. .20½- .22
BV-10673, ret. dms., ton, works..lb. .35 - —
single dm. and less, works..lb. .35½- .38
BV-16607 (MTO), non-ret. dms., ton, works..lb. .212 - —
single dm. and less, works..lb. .217 - .242
3962-X, non-ret. dms., ton, works..lb. .277 - —
single dm. and less..lb. .282 - .307
BK-16700, non-ret. dms., ton, works..lb. .27 - —
single dm. and less..lb. .27½- .30
non-phenolic, XK-16624, non-ret. dms., ton, works...lb. .22½- —
single dm. and less..lb. .23 - .25½
resin modified, BR-2072, non-ret. single dm. and less, works..lb. .23½- .26
phenolic lacquer resins and solutions, XR-3180, non-ret. dms., ton, works..lb. .45 - —
single dm. and less..lb. .45½- .48
XR-4557, non-ret. dms., ton, works..lb. .45 - —
single dm. and less, works..lb. .45½- .48
BR-9366, non-ret. bbls., ton, works..lb. .18½- —
XJ-10433, ret. dms., ton, works..lb. .37 - —
single dm. and less..lb. .37½- .40
BJ-15408, ret. dms., ton, works..lb. .24 - —
single dm. and less..lb. .24½- .27
liquid types, C-9 resins, lacquer types, XJ-16580, ret. dms., ton..lb. .26 - —
single dm. and less..lb. .26½- .29
XR-15840, non-ret. dms., ton, works..lb. .34 - —
single dm. and less..lb. .34½- .37

Bakelite prices are f.o.b. manufacturer's plant or warehouse; minimum transportation charges prepaid on units of standard drums or over to destination in United States except as follows:—add 1c. per pound for delivery to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming.

Made-to-order materials marked (MTO) are those which are not stock materials (not stocked because of changes that occur in physical properties when stored for any length of time) and which therefore have to be manufactured upon receipt of orders and allocation of raw materials.

Beckacite, 1100 M-K, dms., c.l..lb. .17 - —
l.c.l., same basis.....lb. .17½- .18
1102, M-K, dms., c.l.....lb. .16 - —
l.c.l., same basis.....lb. .16½- .17
1112, WG-N, dms., c.l.....lb. .17½- —
l.c.l., same basis.....lb. .18 - .18½
1116, K-1, dms., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - .18½
1123, dms., c.l.....lb. .17½- —
l.c.l., same basis.....lb. .18 - .18½
P-405, N-K, dms., c.l.....lb. .16 - —
l.c.l., same basis.....lb. .16½- .17
1110, N-M, dms., c.l.....lb. .16 - —
l.c.l., same basis.....lb. .16½- .17
1111, WG-N, No. 1120, 55-K, dms., l.c..lb. .16½- —
l.c.l., same basis.....lb. .17 - .17½
Beckamine, P-2, works, dms., c.l...lb. .11½- —
l.c.l., same basis.....lb. .12 - .12½
P-138, works, dms., c. l.....lb. .22 - —
l.c.l., same basis.....lb. .22½- .23
P-196, dms., c.l.....lb. .26 - —
l.c.l., same basis.....lb. .26½- .27
P-198, accelerator, works, dms., c.l..lb. .28 - —
l.c.l., same basis.....lb. .28½- .29
P-354, works, dms., c.l.....lb. .20½- —
l.c.l., same basis.....lb. .21 - .21½
P-504, works, dms., c.l.....lb. .13½- —
l.c.l., same basis.....lb. .13½- .14
Beckopol, 1400 M-K, dms., c.l..lb. .19½- —
l.c.l., same basis.....lb. .20 - .20½
Beckosol, solid, No. 18, 4-5 (80% M.S.), dms., c.l..lb. .26 - —
l.c.l., same basis.....lb. .27 - .28
No. 24, 4-5L (90% toluol), dms., c.l..lb. .35½- —
l.c.l., same basis.....lb. .36½- .37½

C

Cumar resin, AX, non-ret. dms., net weight..lb. .06¼- —
BX, net weight.....lb. .06¼- —
CX, gross weight.....lb. .06¼- —
DX, gross weight.....lb. .05¼- —
EX, gross weight.....lb. .05¼- —
FX, gross weight.....lb. .05¾- —
MH, col. 1.....lb. .11¾- —
1½-2.....lb. .10¾- —
2½-3½.....lb. .09¾- —
9.....lb. .06½- —
MS.....lb. .10¾- —
P 10°-90° C., col. 2½ and darker, lb. .10¾- —
RH.....lb. .10¾- —
RS.....lb. .10¾- —
V col. ½.....lb. .12¾- —
1.....lb. .11¾- —
1½-2.....lb. .10¾- —
2½ and darker.....lb. .09¾- —
W col. ½.....lb. .13½- —
1.....lb. .12½- —
1½-2.....lb. .11½- —
2½ and darker.....lb. .10½- —

All "P" grades with melting point below 50 degrees C., and grades AX and BX are shipped in steel drums, with the two last-mentioned grades reckoned on a net weight basis. All other grades are shipped in destructible fiber and metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankford, Pa., freight equalized with Pittsburgh, with no revisions for shipments made in fiber containers.

D

Duraplex (Alkyd type), A-27 (60% in xylol), bbls., c.l..lb. .19½- —
l.c.l. .....lb. .20 - —
A-29 (60% in xylol), bbls., c.l..lb. .21 - —
l.c.l. .....lb. .21½- —
C-45HV (60% in mineral thinner)..lb. .16 - —
l.c.l. .....lb. .16½- —
(100% solids), bbls., c.l..lb. .26 - —
l.c.l. .....lb. .26¾- —
C-45 LV (100% solids), bbls., c.l..lb. .24 - —
l.c.l. .....lb. .24¾- —
C-48 (60% in mineral thinner), bbls., c.l..lb. .17½- —
l.c.l. .....lb. .18 - —
(100% solids), bbls., c.l..lb. .28 - —
l.c.l. .....lb. .28¾- —
C-49 (60% in mineral thinner), bbls., c.l..lb. .18½- —
l.c.l. .....lb. .19 - —
100% solids, bbls., c.l..lb. .29 - —
l.c.l. .....lb. .29¾- —
D-63 (70% in mineral thinner), bbls., c.l..lb. .16 - —
l.c.l. .....lb. .16½- —
D-65 (70% in mineral thinner), bbls., c.l..lb. .22 - —
l.c.l. .....lb. .22½- —
E-71 (100% solids), bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25¼- —
E-73 (100% solids), bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25¼- —
ND-77-B (60% in xylol), bbls., c.l..lb. .19½- —
l.c.l. .....lb. .20 - —
AL-210 (100% solids), bbls., c.l..lb. .17 - —
l.c.l. .....lb. .17½- —

Duraplex prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the states of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Durite, 1301, pale, one drum and over..lb. .29 - —
smaller lots .....lb. .30 - —

Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, Group "A," A (E.S. 2) non-ret. dms., c.l., works, frt. alld. in U. S. except Ariz., Calif., Colo., Ida., Mont., Nev., N. M., Tex., Utah, Wash., Wyo..lb. .15½- —
l.c.l. .....lb. .16 - —
E (E.S. 161), 11 (E.S. 201), c.l., same basis..lb. .16 - —
l.c.l. .....lb. .16½- —
22 (E.S. 202), c.l., same basis. lb. .13 - —
l.c.l. .....lb. .13½- —
25 (E.S. 246), c.l., same basis. lb. .11 - —
l.c.l. .....lb. .11½- —
33 (E.S. 203), c.l., same basis. lb. .15½- —
l.c.l. .....lb. .16 - —
562 (E.S. 19), c.l., same basis. lb. .16½- —
l.c.l. .....lb. .17 - —
660 (E.S. 56), c.l., same basis. lb. .15½- —
l.c.l. .....lb. .16 - —
750 (E.S. 94), c.l., same basis. lb. .15¾- —
l.c.l. .....lb. .16½- —
1800 (E.S. 53), 2185 (E.S. 60), c.l., same basis..lb. .15 - —
l.c.l. .....lb. .15½- —
2000 (E.S. 72), c.l., same basis. lb. .18 - —
l.c.l. .....lb. .18½- —
3172 (E.S. 214), c.l., same basis. lb. .15¼- —
l.c.l. .....lb. .15¾- —
4052 (E.S. 272), c.l., same basis. lb. .12 - —
l.c.l. .....lb. .12½- —
Group "B," B (E.S. 3), c.l., same basis..lb. .15 - —
l.c.l. .....lb. .15½- —
H-1 (E.S. 38), c.l., same basis. lb. .19 - —
l.c.l. .....lb. .19½- —
1-L (E.S. 14), c.l., same basis, lb. .16½- —
l.c.l. .....lb. .17 - —
P-V (E.S. 42), 830 (E.S. 267), c.l., same basis..lb. .17 - —
l.c.l. .....lb. .17½- —
2195 (E.S. 259), c.l., same basis..lb. .16 - —
l.c.l. .....lb. .16½- —
2002 (E.S. 282), c.l., same basis..lb. .12 - —
l.c.l. .....lb. .12½- —
2083 (E.S. 69), c.l., same basis..lb. .14½- —
l.c.l. .....lb. .15 - —

Group "A" are standard production items normally carried in the manufacturer's inventory. Group "B" are not always so carried.

F

Flexalyn, solid, non-ret. black iron dms., c.l., f.o.b. cars, destination, zone 1. lb. .13¾- —
10 dms., same basis....lb. .14½- —
1-9 dms., same basis...lb. .16 - —
C, non-ret., black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .13 - —
10 dms., same basis....lb. .13¾- —
1-9 dms., same basis...lb. .15½- —
solution, non-ret. dms., c.l., f.o.b. cars, destination, zone 1..lb. .13¼- —
10 dms., same basis....lb. .14 - —
1-9 dms., same basis..lb. .15½- —
C, non-ret. dms., c.l., f.o.b. cars, destination, zone 1. lb. .12½- —
10 dms., same basis....lb. .13½- —
1-9 dms., same basis....lb. .14½- —
FDC Alkyd, 515, non-ret. dms., c.l., works, frt. alld., Zone 1..lb. .17 - —
l.c.l. .....lb. .17½- —
521, 521-LV, c.l., same basis.lb. .12½- —
l.c.l. .....lb. .13 - —
525, c.l., same basis.....lb. .13 - —
l.c.l. .....lb. .13½- —
527, c.l., same basis.....lb. .17 - —
l.c.l. .....lb. .17½- —

FDC Alkyd, 528, c.l., same basis, lb. .15¾- —
528, c.l., same basis..lb. .15¾- —
l.c.l. ..lb. .16¼- —
535, c.l., same basis..lb. .14 - —
l.c.l. ..lb. .14½- —
538, c.l., same basis..lb. .15 - —
l.c.l. ..lb. .15½- —
545, c.l., same basis..lb. .14¾- —
l.c.l. ..lb. .15¼- —
555, c.l., same basis..lb. .14½- —
l.c.l. ..lb. .15 - —
565, c.l., same basis..lb. .17 - —
l.c.l. ..lb. .17½- —
564, c.l., same basis..lb. .13 - —
l.c.l. ..lb. .13½- —
571, c.l., same basis..lb. .14¾- —
l.c.l. ..lb. .15¼- —
572, c.l., same basis..lb. .15 - —
l.c.l. ..lb. .15½- —
FCD Maleic, 3-V, non-ret. dms., c.l., works, frt. alld., Zone 1..lb. .15 - —
l.c.l. ..lb. .15½- —
4, c.l., same basis..lb. .16 - —
l.c.l. ..lb. .16½- —
6-V, c.l., same basis..lb. .17 - —
l.c.l. ..lb. .17½- —
4-V, c.l., same basis..lb. .16½- —
l.c.l. ..lb. .17 - —
5-V, c.l., same basis..lb. .16½- —
l.c.l. ..lb. .17 - —
7-V, c.l., same basis..lb. .16½- —
l.c.l. ..lb. .17 - —
14, c.l., same basis..lb. .16 - —
l.c.l. ..lb. .16½- —
FDC modified phenolic, non-ret. dms., c.l., works, frt. alld. Zone 1..lb. .16½- —
l.c.l. ..lb. .17 - —
140, c.l., same basis..lb. .17½- —
l.c.l. ..lb. .18 - —
142, c.l., same basis..lb. .16 - —
l.c.l. ..lb. .16½- —
144, c.l., same basis..lb. .17½- —
l.c.l. ..lb. .18 - —
157, c.l., same basis..lb. .18 - —
l.c.l. ..lb. .18½- —
163, c.l., works..lb. .17½- —
l.c.l., same basis..lb. .18 - —
165, c.l., works..lb. .18 - —
l.c.l., same basis..lb. .18½- —
FCD phenolic, 101, non-ret. dms., c.l., works, frt. alld. Zone 1..lb. .32 - —
l.c.l. ..lb. .32½- —
102, c.l., same basis..lb. .31 - —
l.c.l. ..lb. .31½- —
FDC poly-hydric ester, 228, non-ret. dms., c.l., frt. alld. Zone 1..lb. .15½- —
l.c.l., same basis..lb. .16 - —
FDC processed, 340, non-ret. dms., c.l. and l.c.l., frt. alld. Zone 1..lb. .23½- —
342, c.l., same basis..lb. .18¾- —
l.c.l. ..lb. .19¼- —
346, c.l., same basis..lb. .16 - —
l.c.l. ..lb. .16½- —
347-348, c.l., same basis....lb. .22 - —
l.c.l. ..lb. .22½- —

G

G, resin, dms., gross weight, works lb. 08 -
Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs. works lb 35 -
5,000 to 29,999 lbs., same basis lb. 36 -
200 to 4,999 lbs., same basis. lb. 38 -
up to 199 lbs., same basis. lb. .52 - —
No. 202, 30,000 lbs., works. lb. 40 -
5,000 to 29,999 lbs., same basis lb. 41 - -
200 to 4,999 lbs., same basis. lb. .43 - —
up to 199 lbs. same basis lb. 58
203, 30,000 lbs., works.....lb. .42 - —
5,000 to 29,999 lbs., same basis lb. 43 -
200 to 4,999 lbs., same basis. lb. 45 -
up to 199 lbs., same basis.lb. .60 - —
Guai-a-phene dms. (dm. deposit $4.00), works, 50-55 gals. gal. 2.47 - —
10 gals., two fives, per case, works..gal. 2.57 - —
5 gals., one can per case, works..gal. 2.62 - —
6 gals., six ones in single case, works..gal. 2.72 - —
1 gal., in single carton, works..gal. 2.82 - —

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.

J

Jezite (see zinc-iron oxide pigment in regular list above).

K

Kopol, 500, esterfied, D-B, c.l..lb. .22 - —
l.c.l. ..lb. .22½- 23
501, fused, c.l.....lb. .20 - —
l.c.l. ..lb. .20½- 21

L

Lewisol resin, 2 L, non-returnable light-gauge steel dms., c.l., f.o.b. cars, destination, zone 1..lb. 16½- —
l.c.l., 10 dms., same basis..lb. .17 - —
1 dm., same basis.....lb. 17½- —
28, non-returnable light gauge steel dms., c.l., f.o.b. cars, destination, zone 1 lb. 16½- —
10 dms., same basis..... lb 17 - -
1-9 dms., same basis.....lb. .17½- —
33, non-returnable light gauge steel dms., c.l., f.o.b. cars, destination, zone 1..lb. .17 - —
10 dms., same basis.....lb. .17½- —
1-9 dms., same basis.....lb. .18 - —

Lewisol resin prices are f.o.b. cars, New Eng. and Middle Atlantic States, Va., W Va., N.C., Ky., O., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, not returnable; net 30 days.

M

Metronite pigment, 120 and 180 mesh, containers extra, c.l., f.o.b. Milwaukee..ton.10.00 - —
l.c.l., same basis. .....ton.14.00 - —
250 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis .....ton.17.50 - —
325 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, containers extra, c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.22.50 - —

N

Neo-fat drying oil, 170, dms., c.l., dlvd..lb. .14⅝- —
190, dms., c.l., dlvd.....lb. .18⅝- —
290, dms., c.l., dlvd.....lb. .20⅝- —

Neo-fat, drying oil, fatty acid, 3R, dms., c.l., dlvd..lb. .14⅞- —
17 dms., c.l., dlvd.....lb. .12⅝- —
19, dms., c.l., dlvd.....lb. .16⅝- —

Neo-fat prices are ½c. per lb. higher in all States west of the Rocky Mountains. Drums are included and not returnable.

Neolyn 20, non-ret. dms., f.o.b. cars, destination, zone 1. lb. .24 - —
10 dms., same basis....lb. .24½- —
1-9 dms., same basis...lb. .25 - —
40, non-ret. dms., f.o.b. cars, destination, zone 1..lb. .26 - —
10 dms., same basis....lb. .26½- —
1-9 dms., same basis....lb. .27 - —
Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works..lb. 19 - —
hard, color 2-½-4, melting point 85-95°C., same basis..lb. .17 - —
soft, color 2-½-4, melting point 65-75°C., same basis..lb. 17 - —
10 C, color ½-4, same basis..lb. 24 - —
LX-483, same basis.....lb. 23 - —
OA, same basis.....lb. 45 - —
OP, same basis.....lb. 35 - —
RP, same basis.....lb. 25 - —
TS, same basis.....lb. 50 - —
RT, same basis.....lb. 31 - —
RA, same basis.....lb. 31 - —
RS, same basis.....lb. 50 - —
Neville resin*, R-1 nevindene, color ½, dms., works..lb. 13½- —
R-3, nevindene, color 1, dms., works..lb. 12½- —
R-5, nevindene, color 1½-2, dms., works..lb. 11½- —
R-6, nevindene, color 2½-3½, dms., works..lb. 10½- —
R-7, N.P.S., color below 3, dms., works..lb 12⅜- —
R-9, hard, color ½, dms., works..lb 12⅜- —
Neville resin, R-10, hard, color 1, dms., works..lb. .11⅜- —
R-11, hard, color 1½-2, dms., works..lb. .10⅜- —
R-12, hard, color 2½-3½, dms., works..lb. .09⅜- —
R-13, medium, color ½, dms., works..lb. 12⅜- —
R-14, medium, color 1, dms., works..lb. .11⅜- —
R-15, medium, color 1½-2, dms., works..lb. 10⅜- —
R16, medium, color 2½-4, dms., works..lb. .09⅜- —
R-16A, medium, color 7-10, dms., works..lb. .08½- —
R-17, medium, soft, color 3½-8, dms., works..lb. .10⅜- —
R-19, medium, soft, color 3½-8, dms., works..lb. .10⅜- —
R-21, soft, color 3½-8, dms., works..lb. 10⅜- —
R-22, special, soft, color 3½-8, dms., works..lb. .10⅜- —
R-27, medium, soft, color 1, dms., works..lb. .13⅜- —
R-28, medium, soft, color 1½-8, dms., works..lb .12⅜- - —
R-29, medium, sort, color 2½-2, dms., works..lb. .12⅜- —
465, 110-125°C., dms., gross weight, Pittsburgh..lb. .03½- —

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevilloid, C-55 emulsion, ret. dms., works..lb. 12 - —
C-10 emulsion, ret. dms., works lb. .1125- -
Nevtex, 10, returnable dms., works lb. 08 - —
90, returnable dms., works lb. 20 -

Nuba, 1, 80-95° C., dms., gross weight, works..lb. .0280- —
2, 100-125° C., dms., gross weight, works..lb. .0290- —
3x, 135-150° C., dms., gross weight, works..lb. .04¼- —
Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .30¼- —
10%, 100-lb. pkgs.....lb. .46¼- —
Iron, 6%, 400-lb. pkgs.....lb. .14¾- —
10%, 100-lb. pkgs.....lb. .28¼- —
Lead, 24%, 450-lb. pkgs...lb. .14 - —
34%, 100-lb. pkgs.....lb. .19 - —
Manganese, 10%, 100-lb. pkgs. lb. .25¼- —
6%, 400-lb. pkgs.....lb. .15¾- —
Zinc, 8%, 400-lb. pkgs.....lb. .15¾- —
12%, 100-lb. pkgs.....lb. .22½- —
Lead-cobalt, 28%, 2.8%, 150-lb. pkgs..lb. .29¼- —
Lead-manganese, 28%, 2.8%, 150-lb. pkgs..lb. .22¾- —

All prices are dlvd. in U.S.A., except California, Oregon and Washington.

P

Paradene,* No. 1, 75-99° C., color 12-16, dms., gross wt., works, lb. .0625- —
2, 100-125° C., color 12-16, dms., gross wt., works..lb. .0625- —
33, 34, color 10-15, dms., works. lb. .0625- —
35, color 10-15, dms., works, gross wt..lb. .0675- —

Pardene prices are freight equalized with Philadelphia, Pa.

Paradura, 46, c.l., dlvd.....lb. .22¾- —
l.c.l. ..lb. .23¼- —
273, c.l., dlvd.....lb. .23 - —
l.c.l. ..lb. .24 - —
Paranol resin, hard, No. 1, c.l., l.c.l. ..lb. 15¼- —

4 VERSATILE VARNISH RESINS... Back on the job!

In the past months since V-J Day, many varnish-makers have "rediscovered" these four veteran S & W varnish resins. Immediately available in any desired quantity, they can be used with a wide range of oils to produce tough, durable varnish, enamel, or paint films. They're easy to work with and are reasonably priced. Write or phone U. S. Industrial Chemicals, Inc. for samples and specifications.

S & W AROCHEM 335

This modified phenolic resin works equally well with most oils in rubbing varnishes, implement, and machinery finishes, structural primers, etc. AROCHEM 335 kettles easily, has good solubility and promotes rapid bodying and hardening. Use where minimum after-yellowing is important.

S & W AROCHEM 365

Good chemical resistance and low cost characterize this modified phenolic resin, widely used in floor varnishes, colored utility enamels, chassis enamels, etc. AROCHEM 365 offers high gloss and alkali resistance, short tack-free time, and good overnight hardness.

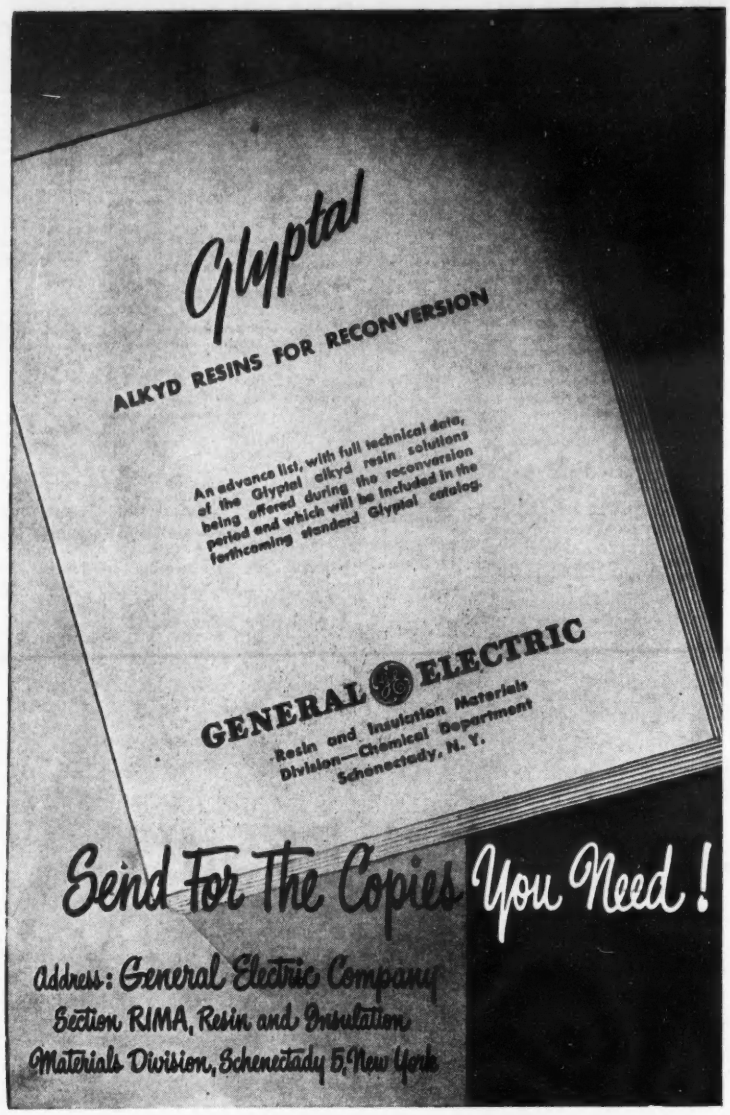
S & W AROCHEM 603

Developed for good performance with the "soft" oils, AROCHEM 603 is a non-phenolic resin which yields fast-drying vehicles and films with good color retention. Especially adaptable for "white" formulations. Varnishes made with it body very fast. Recommended for porch and deck paints, quick-drying enamels, tin decorating finishes, etc.

S & W AROCHEM 607

Similar to S & W Arochem 603, but higher in synthetic condensate content, this resin also has a higher melting point and will consequently body and dry faster. Color retention and durability are further improved.

U.S. INDUSTRIAL CHEMICALS, INC.
60 East 42nd Street, New York 17, N. Y.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An advance list, with full technical data, of the Glyptal alkyd resin solutions being offered during the reconversion period and which will be included in the forthcoming standard Glyptal catalog.
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Materials Division, Schenectady 5, New York

Durez
RESIN NEWS

220V Latest Durez Research Masterpiece

For several years Durez 220 Resin has been conceded to be the fastest drying resin in the country in cooked varnishes. Durez 220 imparts excellent water and chemical resistance as well as durability and color retention. However, it is extremely soluble in drying oils and hence takes longer to produce high viscosity varnishes with the slower drying oils than some resins.

It was not a problem for Durez chemists to produce a more viscous resin, but it was quite a job to retain all the excellent properties of Durez 220 and still produce a high viscosity resin.

In Durez 220V we have done just that. Durez 220V, like Durez 220, will cold cut in mineral spirits, handle easily in the kettle, sell at the same price. However, Durez 220V will cook in about ⅔ the time of 220, dry as fast and in some formulas faster, have from 15% to 25% increased kauri reduction value, and produce paler varnishes.

Mineral Spirits Solubility

Many resins will impart viscosity to oils but are insoluble in mineral spirits and require strong cooking with oil or the varnish will have a haze. They can't be used as a "chill back," for they will not disperse.

Durez 220V will cook to a brilliant, clear varnish or it may be used entirely as a "chill back." Even in short cooks there will be no cloud from fast addition of mineral spirits.

Durez 220V may be used in a gloss oil.

Cooks In Two Thirds The Time

This is a conservative statement based on a 20-gallon dehydrated castor oil varnish. In linseed oil varnishes the difference in cooking time between Durez 220 and 220V is much greater. In a 25-gallon linseed oil varnish, Durez 220V is 160% faster.

Dries As Fast Or Faster

We word the statement that way because of different cooking conditions. If Durez 220V is cooked with the oil for the same time as Durez 220, the Durez 220V varnish will dry faster. Because of the faster bodying action of Durez 220V it is not generally held as long as is the Durez 220. In these shorter holding-time cooks, the dry on both varnishes will be the same.

Increased Kauri Reduction

Extensive tests in our laboratories reveal that practically all competitive modified phenolic resin varnishes fail at 0% kauri reduction value in short and medium-length varnishes. Durez 220 will produce 5% to 10% kauri or better. But the new Durez 220V Resin will actually give 25% to 30% kauri reduction value varnishes when cooked in the same formula for the same time (or the same solids) and with the same drier.

Produces Paler Varnishes

Durez 220V has always produced paler varnishes than Durez 220 in our tests. In the long-cooking-time, heavy-bodied, short-oil varnishes the difference is small. From 20-gallon lengths up to full spars the difference is very noticeable. Durez 220 has always been excellent on color, and it looks as though Durez 220V will surpass it.

Sells At The Same Price

Although Durez 220V is a vastly improved resin, it is available at the same price as Durez *220*.

For samples or further information on above Durez resins, write to . . .

DUREZ PLASTICS & CHEMICALS, INC.
3812 Walck Rd., North Tonawanda, N. Y.

DUREZ
RESINS THAT FIT THE JOB

Paranol resin, 25, c.l., divd.	lb.	.15½-	—
l.c.l.	lb.	16 -	—
54-E, c.l., divd.	lb.	.18½-	—
l.c.l.	lb.	.19 -	—
105, dark, c.l., divd.	lb.	.14½-	—
l.c.l.	lb.	.15 -	—
X hard, No. 1, c.l., divd.	lb.	.13½-	—
l.c.l.	lb.	.14 -	—
200, c.l., divd.	lb.	.17⅜-	—
l.c.l.	lb.	.18¼-	—
500, hard, c.l., divd.	lb.	.16½-	—
l.c.l.	lb.	.17 -	—
X hard, c.l., divd.	lb.	.19 -	—
l.c.l.	lb.	.19½-	—
850, c.l., divd.	lb.	.15 -	—
l.c.l.	lb.	.15½-	—
1750, c.l., divd.	lb.	.16⅜-	—
l.c.l.	lb.	.17¼-	—
1855, c.l., divd.	lb.	.15½-	—
l.c.l.	lb.	.16 -	—
Paraplex (resin plasticizers), RG-2 (60% in xylol), bbls., c.l.	lb.	.27 -	—
l.c.l.	lb.	.27½-	—
(100% solids), bbls., c.l.	lb.	.42 -	—
l.c.l.	lb.	.42¾-	—
RG-7 (60% in xylol), bbls., c.l.	lb.	.24 -	—
l.c.l.	lb.	.24½-	—
RG-8 (100% solids), bbls., c.l.	lb.	.29 -	—
l.c.l.	lb.	.29¾-	—
G-20 (60% in butyl acetate), bbls., c.l.	lb.	.44 -	—
l.c.l.	lb.	.44½-	—
(100% solids), bbls., c.l.	lb.	.67 -	—
l.c.l.	lb.	.67¾-	—
5-B (80% in xylol), bbls., c.l.	lb.	.23½-	—
l.c.l.	lb.	.24 -	—
(100% solids), bbls., c.l.	lb.	.28½-	—
l.c.l.	lb.	.29¼-	—
AL-16 (70% in xylol), bbls., c.l.	lb.	.23 -	—
l.c.l.	lb.	.23½-	—
(100% solids), bbls., c.l.	lb.	.31 -	—
l.c.l.	lb.	.31¾-	—
AL-111 (100% solids), bbls., c.l.	lb.	.21 -	—
l.c.l.	lb.	.21¾-	—

Paraplex prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the states of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Parazenes, 5 solid resins, c.l. and l.c.l., divd.	lb.	.13 -	—
4634 solutions (50% in mineral spirits), c.l., divd.	lb.	.11 -	—
l.c.l.	lb.	.11½-	—
Pentalyn A, non-ret. dms., f.o.b. cars, destination, zone 1.	lb.	.13½-	—
10 dms., same basis.	lb.	.14 -	—
1-9 dms., same basis.	lb.	.14½-	—
C, non-ret. dms., f.o.b. cars, destination, zone 1.	lb.	.15¾-	—
10 dms., same basis.	lb.	.16¼-	—
1-9 dms., same basis.	lb.	.16¾-	—
G, non-ret. dms., f.o.b. cars, destination, zone 1.	lb.	.15 -	—
10 dms., same basis.	lb.	.15½-	—
1-9 dms., same basis.	lb.	.16 -	—
F, non-ret. dms., f.o.b. cars, destination, zone 1.	lb.	.15 -	—
10 dms., same basis.	lb.	.15½-	—
1-9 dms., same basis.	lb.	.16 -	—
P.H.O., dms., works.	lb.	.24 -	—
Piccolastic, A, B, C, D, E types, c.l., Clairton, Pa.	lb.	24 -	—
l.c.l., same basis.	lb.	24½-	—
F series, c.l., same basis.	lb.	14½-	—
l.c.l., same basis.	lb.	.15 -	—
powder, same basis.	lb.	.35½-	—
Piccolyte resins, S-10, S-25, S-40, bulk, net wt., f.o.b. Clairton, Pa., c.l.	lb.	.15 -	—
l.c.l.	lb.	.15½-	—
S-55, S-70, same basis, c.l.	lb.	.16 -	—
l.c.l.	lb.	.16½-	—
S-85, S-100, same basis, c.l.	lb.	.17 -	—
S-85, S-100, same basis, c.l.	lb.	.17 -	—
l.c.l.	lb.	.17½-	—
S-115, same basis, c.l.	lb.	.18 -	—
l.c.l.	lb.	.18½-	—
Piccoumaron resins, 420, 420-S, bulk, gross wt., f.o.b. Clairton, Pa., frt. equald.	lb.	.08 -	—
420-T, same basis.	lb.	0675-	—
422-R, 423-R, 425-R, 427-R, bulk, net wt., same basis.	lb.	.1075-	—
430, 435, bulk, gross wt., same basis.	lb.	.045 -	—
440-T, same basis.	lb.	.0625-	—
450, 450-H and 450-S, same basis.	lb.	.09 -	—
450-EH, same basis.	lb.	.0975-	—
460-T, same basis.	lb.	.0575-	—
XX-25, XX-40, bulk, net wt., same basis.	lb.	.0625-	—
XX-55, bulk, gross wt., same basis.	lb.	.0575-	—
XX-70, XX-100, same basis.	lb.	.0625-	—
XX-115, same basis.	lb.	0575-	—
T-115, same basis.	lb.	.0725-	—
70%, 420-S Sol., ret. dms., net wt.	lb.	.078 -	—
Pliolite, S-1, powder, 600-lb. lots, works.	lb.	.52 -	—
less than 600 lbs., same basis.	lb.	.55 -	—
milled S-1 resin, 600-lb. lots, works.	lb.	.58 -	—
less than 600 lbs., same basis.	lb.	.60 -	—
Plyophen, solution, 5000, c.l., works.	lb.	18 -	—
l.c.l., same basis.	lb.	.18½-	.19
5010, c.l., same basis.	lb.	.17 -	—
l.c.l., same basis.	lb.	.17½-	.18
5011, c.l., same basis.	lb.	.17½-	—
l.c.l., same basis.	lb.	.18 -	.18½
5012, 5013, c.l., same basis.	lb.	.13 -	—
l.c.l., same basis.	lb.	.13½-	.14
5014, c.l., same basis.	lb.	.14½-	—
l.c.l., same basis.	lb.	.15 -	.15½
Polypale ester, No. 10, non-ret. dms., c.l., divd.	lb.	.12 -	—
10 dms., same basis.	lb.	.12¼-	—
1-9 dms., same basis.	lb.	.12½-	—

R

Resinous oil, No. XI, returnable dms., works.	lb.	.0160-	—

S

Silene (see Calcium silicate hydrated under C in Current Market Quotations).			
Staybelite ester, No. 5, ret. dms. (dms. charged $6 each, extra), f.o.b. cars., c.l., destination, zone 1.	lb.	.15 -	—
10 dms., same basis.	lb.	.15¼-	—
1 dm., same basis.	lb.	.15½-	—
No. 10, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1.	lb.	.15 -	—
10 dms., same basis.	lb.	.15¼-	—
1 dm., same basis.	lb.	.15½-	—
Super-Beckacite, 1001, c.l.	lb.	.33 -	—
l.c.l., same basis.	lb.	.33½-	.34
1003, F.E., c.l.	lb.	.31 -	—
l.c.l., same basis.	lb.	.31½-	.32
2000, M-K, c.l.	lb.	.27 -	—
l.c.l., same basis.	lb.	.27½-	.28
3011, c.l.	lb.	.31½-	—
l.c.l.	lb.	.32 -	.32½

U

Uformite, F-200-E (50% in butanol: xylol), bbls., c.l.	lb.	.20½-	—
1-10 drum lots.	lb.	.21 -	—
F-226-E (50% in capryl alcohol), bbls., c.l.	lb.	.22 -	—
1-10 drum lots.	lb.	.22½-	—
MM-55 (50% in butanol: xylol), bbls., c.l.	lb.	.28½-	—
1-10 drum lots.	lb.	.29 -	—
MU-56 (50% in butanol: xylol), bbls., c.l.	lb.	.27 -	—
1-10 drum lots.	lb.	.27½-	—
MM-58 (50% in capryl alcohol,) bbls., c.l.	lb.	.29 -	—
l.c.l.	lb.	.29½-	—

Uformite prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in the following States and cities:—New Eng. and Middle Atlantic States, Va., W. Va., N. C., Ky., O., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo., and Montreal and Toronto, Canada.

V

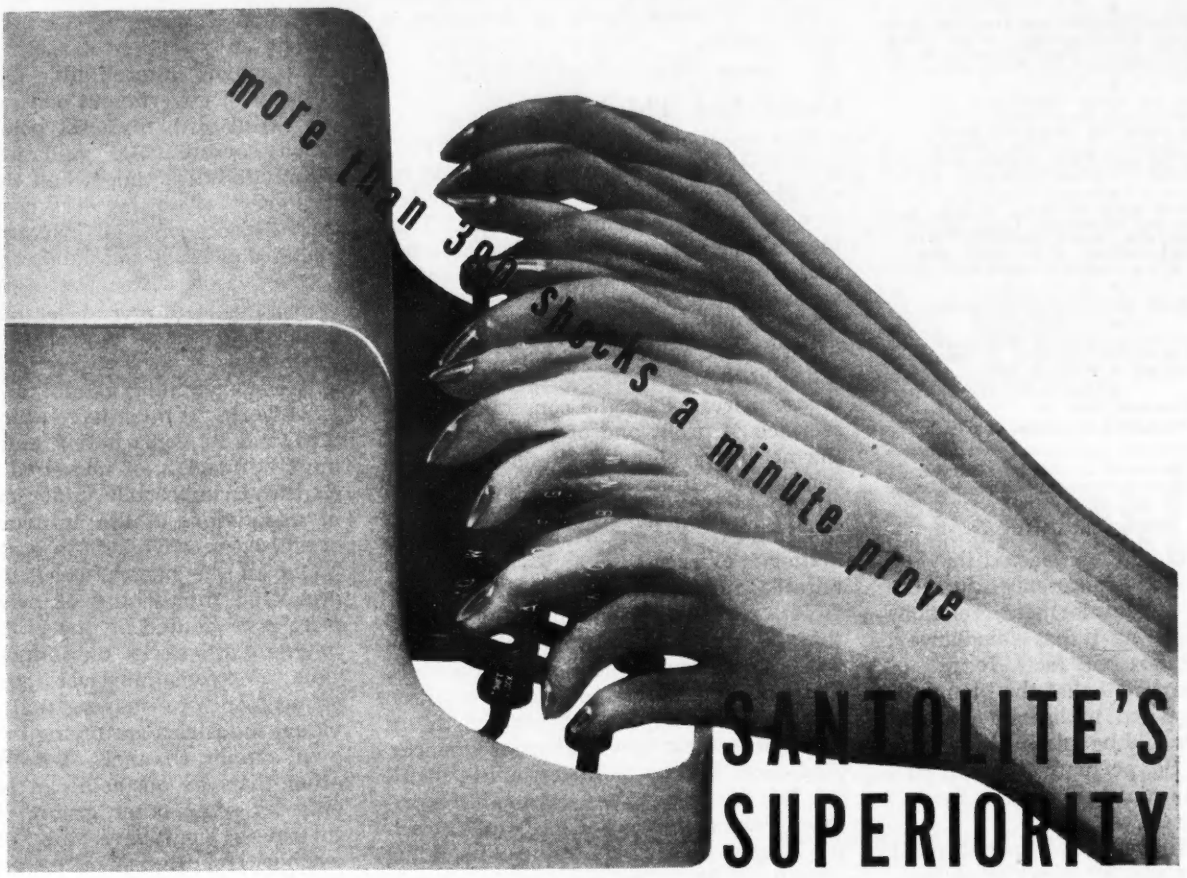
Vanadiset resins, divd., Baltimore-Washington area, Del., c.l.	lb.	.020 -	—
under 2,000 lbs.	lb.	.041 -	—
Greater N. Y., N. J., Conn., c.l.	lb.	.018 -	—
under 2,000 lbs.	lb.	.04 -	—
Ala., Fla., Ia., Minn., Miss., c.l	lb.	.021 -	—
under 2,000 lbs.	lb.	.044 -	—
Ariz., Cal., Canada in general, Nev., N. M., Ore., Utah, Wash. State, c.l.	lb.	.028 -	—
under 2,000 lbs.	lb.	.047 -	—
Ark., Colo., Neb., c.l.	lb.	.028 -	—
under 2,000 lbs.	lb.	.043 -	—
Canada, Windsor to Montreal, c.l.	lb.	.022 -	—
under 2,000 lbs.	lb.	.043 -	—
Ga., Ill., Ky., Tenn., Mo., c.l.	lb.	.021 -	—
under 2,000 lbs.	lb.	.043 -	—
Idaho, Wyo., Mont., c.l.	lb.	.028 -	—
under 2,000 lbs.	lb.	.047 -	—
Louisiana, Okla., Texas, Kan., Dakotas, c.l.	lb.	.023 -	—
under 2,000 lbs.	lb.	.043 -	—
Maine, Mass., N. H., R. I., Vt., c.l.	lb.	.021 -	—
under 2,000 lbs.	lb.	.041 -	—
N. Y. State, Pa., East, c.l.	lb.	.020 -	—
under 2,000 lbs.	lb.	.042 -	—
Ohio, Ind., W. Va., Mich., c.l.	lb.	.019 -	—
under 2,000 lbs.	lb.	.042 -	—
Pa., west of Susq. Riv., west and North of Williamsport, Md., Frederick and West, c.l.	lb.	.020 -	—
under 2,000 lbs.	lb.	.042 -	—
Wis., c.l.	lb.	.021 -	—
under 2,000 lbs.	lb.	.044 -	—
pulverized, Newark, N. J.	lb.	12 -	.26
Vinsol resin, pulv., bgs., c.l., divd.	lb.	.02½-	—
l.c.l., divd., Met. area,	lb.	.03½-	—
Vinylseal, modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T-24-9, 20-drum lots, same basis.	gal.	2.00 -	—
drum lots, same basis.	gal.	2.25 -	—
less than drum lots, same basis.	gal.	2.50 -	—
28% by weight, solution in 82% methyl acetate, MA 28-14, 20-drum lots, same basis.	gal.	2.15 -	—
drum lots, same basis.	gal.	2.40 -	—
less drum lots.	gal.	2.65 -	—

All "Vinylseal" containers except 1-gal. size are returnable. Extra charge of 40c. for 1-gallon containers; 55-gallon drums are valued at $5 each.

Vinyl chloride - acetate, VYLF, VYHH, VYNW, VYNU, VYNV, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va.	lb.	.35 -	—
10,000 to 29,999 lbs., same basis.	lb.	.36 -	—
200 to 9,999 lbs., same basis,	lb.	.37 -	—
1 to 199 lbs., same basis.	lb.	.53 -	—
VYNS, c.l. (30,000 lbs.), paper bags, same basis.	lb.	.47 -	—
10,000 to 29,999 lbs., same basis.	lb.	.48 -	—
200 to 9,999 lbs., same basis,	lb.	.49 -	—
1 to 199 lbs., same basis.	lb.	.65 -	—
modified vinyl chloride-acetate, VMCH, powdered, c.l. (30,000 lbs.), paper bags, same basis.	lb.	.42 -	—
10,000 to 29,999 lbs., same basis.	lb.	.43 -	—
200 to 9,999 lbs., same basis,	lb.	.44 -	—
1 to 199 lbs., same basis.	lb.	.60 -	—
modified, acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only, f.o.b. cars South Charleston, W. Va., freight paid to destination E of Mississippi river, c.l. (30,000 lbs.).	lb.	.40 -	—
2,000 to 29,999 lbs., same basis.	lb.	.43 -	—
200 to 1,999 lbs., same basis.	lb.	.45 -	—
1 to 199 lbs., same basis.	lb.	.60 -	—
chloride resins, QYNA, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va.	lb.	.38 -	—
10,000 to 29,999 lbs., same basis.	lb.	.39 -	—
200 to 9,999 lbs., same basis,	lb.	.40 -	—
1 to 199 lbs., same basis.	lb.	.56 -	—
butyral resins, XYHL, XYHM, XYNC, granular, 96 to 97% solids, prices based on contained solids (in paper bags at option of seller), 30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l.	lb.	.32 -	—
10,000 to 29,999 lbs., same basis.	lb.	.33 -	—
200 to 9,999 lbs., same basis.	lb.	.34 -	—
1 to 199 lbs., same basis.	lb.	1.00 -	—

Z

Zinlac, orange or white, 50-gal. bbls.	gal.	1.80 -	—
kits (5 gals.)	gal.	1.85 -	—
jugs (1 gal.)	gal.	1.90 -	—



THE SANTOLITES
Condensation Products of Aromatic Sulfonamides with Formaldehyde

CHARACTERISTICS OF SANTOLITES

	MS-80% SOLN	MHP	K-5
Color and form	Light colored viscous liquids	Hard, nearly colorless resin	Clear, light yellow sticky resin
Specific gravity at 25° C.	1.2098 (Approx.)	1.350 (Approx.)	1.3022 (Approx.)
Refractive Index	1.545 at 25° C. (Approx.)	1.4295 at 25° C. (25% in normal Butyl Acetate) (Approx.)	1.5450 at 50° C. (Approx.)
Solubility	Soluble in practically all organic solvents except petroleum hydrocarbons and varnish oils.		
Retentivity in Cellulose Acetate†	Over 100	Over 100	Over 100
Retentivity in Cellulose Nitrate†	Over 100	Over 100	Over 100
Acid Number	Neutral	Neutral	10 Max.

SANTOLITE MS-80% SOLUTION — Supplied at 80% solids in solution with 20% normal Butyl Acetate also as 100% solids.

†Retentivity is given in parts per 100 parts by weight of the Cellulose Nitrate or Cellulose Acetate.

MONSANTO CHEMICALS
SERVING INDUSTRY...WHICH SERVES MANKIND

Even if you don't make nail polish, the flexibility, hardness and lack of brittleness of Santolite MHP is impressively demonstrated daily on thousands of typewriter keyboards — one of the largest "proving grounds" in America. Certainly, when typists' fingers can take over 380 nail shocks a minute and stay well groomed, it is definite evidence of the superiority of the Santolites in the formulation of lacquer coatings.

This example of proof-in-use makes further investigation a point of business wisdom, if you are interested in lacquer coatings for use as a lustrous product finish. Nail polish is only one special application. A far greater use is found in the manufacture of lacquer coatings for moisture-resistant, heat-sealing cellophane. Other uses will doubtless suggest themselves when you consult the chart of characteristics at the left.

If interested in experimenting with one or more of the Santolites,* we'll gladly send samples. Just contact the nearest Monsanto office or write: MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri.

District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

**Reg. U. S. Pat. Off.*

Oil, Paint & Drug Reporter

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Directed, 1900-1942, by Harry J. Schnell

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Regretable Superficiality

Perhaps it was to be expected that the management-labor conference for the improvement of employment relations would shy away, as it has shied away, from fundamentals and facts. It was, of course, to be expected that the blame for failure to get down to brass tacks and bottom strata would be laid by each party on the other. So, perhaps, it is not surprising that the conference has made but little real progress.

It must be realized that management and labor have got far apart in philosophy, in policy, and in practices over the years of reluctance, even aversion, on both sides toward any endeavor for mutual understanding. They have diverged far, also, with regard to respect and confidence. Their separation is so wide that no few weeks of more or less sincere endeavor could possibly bring their viewpoints into a single area or focus their views at the same point. That is where the need for governmental participation in the conference came in.

Unfortunately, government has been no more ready than management or labor, in any respect, to handle its part of the conference's purpose. There has been no governmental agency fully qualified for the job. And, in common with that of management, any governmental participation is hog-tied by the inequitable provisions of the applicable legislation. That is why there is great need that Congress remedy the situation.

But, there is no need, in truth it is highly undesirable, that Congress, hopping from one extreme to the other, rush into an orgy of labor-legislating. The inclination to crack down on labor has understandable provocation aplenty. But, cracking down will not solve the problem. It will not reach the fundamentals. It will serve only to distort the facts.

It is suggested that President Truman step into the conference on employment relations and effect harmony among the clashing philosophies, policies, practices—and personalities. Maybe he could do it—for the time being—but harmony is not what is needed: it is not fundamental and it would not long be factual, even if it started that way.

There is no short-cut, "quickie" solution of the problems for which the management-labor conference is purposed. Those problems stem from attitudes which have grown out of human behavior chiefly characterized by inconsiderateness. There solution cannot be easy. Certainly it is not at hand, but must be reached, slowly no doubt, by means of open-minded study. It is most unfortunate that not even the United States Department of Labor is qualified to give the matter that sort of attention. And the possibility that the parties directly concerned can even reach an armistice is quite remote.

—BOND YOURSELF TO KEEP THE PEACE—

Unfinished Thinking

It is reported in a recent survey that 51 percent of those interrogated were in favor of ceilings on selling prices, while but 39 percent favored limits on wages. That means that 12 percent of the opiners felt that wages of production could be raised without increasing selling prices. The thing to ponder is that they are correct.

It is quite within the realm of possibility to increase labor costs and not increase prices. But, the consequence is a sacrifice of profit and of more or less of the necessary cost of selling. So, there can be no selling. And when there can be no selling, there will be no production—and no paying of any wages. The matter is extremely simple—but entirely unsatisfactory from every angle.

Yet, such is the unfinished thinking that is becoming entirely too common with respect to economic fundamentals. There is a mighty big need for recognition of the necessity of thinking things through to their inevitable consequences. And there is mighty little time to instill it. The job belongs to business in its primary responsibility and duty of providing proper public leadership. Its doing should not be delayed.

—BOND YOURSELF TO KEEP THE PEACE—

Vigilance Spells Safety

Three life-destroying explosions of chemical apparatus were reported in New York newspapers last week. One involved a refrigerator ammonia tank; another, a phenol condensation still; the third, a wire-enameling oven. They caused an aggregate of six deaths.

These accidents emphasize the necessity of carefully examining all apparatus and devices, especially those in which pressure is involved and those which serve to indicate or to control operating conditions. Such equipment in many instances has been under unusual strain over the war years. Replacement has been difficult; repairs sometimes have fallen short of full satisfaction. It still is not possible to bring much equipment up to normal standards.

Chemical operations have long been far more safe than their inherent hazardousness would indicate. Chemical equipment has been constructed with full regard for the job it had to do and full recognition of the value of adequate margins of safety. Even under the enormous strains of war production, chemical operations set a standard for safety that well might be envied in many other industries. All largely because the chemical industry has never been a subscriber to the credo:—"Enough is plenty!" It universally has added a little more.

This is no time to get careless. It is, in truth, a time for still more caution. Better an idle unit than even one potential death. War's cheapening of human life does not carry over into the industrial activities of peace. Prevention is the only policy—there can be no cure for an accident: only avoidance of repetition.

The causes of last week's explosions have not yet been determined. Whatever they were, their lessons are the same:—Eternal vigilance is the price of safety in all chemical processes. Just now, because of the wear and tear of war, vigilance must be complete and constant—and what it discloses must be heeded at once.

—BOND YOURSELF TO KEEP THE PEACE—

Teamwork Is Hobbled

Economic planning for reconversion has run into another obstacle. Because of the peculiar, unintelligible demand that all sorts of government controls must be got rid of with the least possible delay, much governmental guidance is being terminated at a time when the need for it is great. And the worst aspect is that there is no agency of private enterprise qualified or ready to take up the task.

One reason why private enterprise is so lacking in means of dealing with unusual problems is the prohibition laid by the antitrust laws on concerted action. Economic planning cannot be done as a patchwork. It must have an overall pattern, and its construction and execution must be matters of universal teamwork. As that is impossible under precedential interpretations of the antitrust laws, no organized reconversion is possible.

One of the biggest needs for broadly organized functioning of private enterprise is presented by the problem of relieving bottlenecks on industrial materials. The remaining war agencies of the government are dodging that job. Individual industries are trying to clear their own supply channels, but find all too often that the obstacle can be removed only by some other group. Labor disturbances aggravate the obstructions everywhere. But, legal collective action is all too onesided to be effectively applied. If business is satisfactorily to meet today's peculiar conditions, it must be enabled to work as a team.

—BOND YOURSELF TO KEEP THE PEACE—

Health Is Not Local

Running almost parallel with the bills for a national health insurance system, is in Congress a proposal that the United States join in and further a movement for a sort of world health board, an international organization, perhaps integrated with political and commercial agencies, which would endeavor to check the spread of disease. An idea for a single health agency for the United States has been launched, but has not yet reached the legislative stage.

It is indisputable that health is not a local matter: the causes of disease know no geographical borders. Nor is the combatting of disease a task for isolated communities: the necessary remedial agents must, in large part, be brought in from outside. It follows that the best health care will be provided when all available means are contributed and applied everywhere that they are needed. To accomplish that, there must be some kind of central organization to direct the correlation and cooperation of national and narrower directly functioning bodies.

All such ideas of centralization, whatever the field of their purpose, are met with a cry of "Dictatorship!"—it usually starts from those accustomed to dictate in their respective fields. If the people of the United States cannot set up at least a national system of health care within the framework of democracy, they have lost much of the competence which built the nation.

OPD—12-3-1945

Pharmaceutical Frontiers

A manufacturing chemist was an American rarity in 1849. Imports were the rule.

While huge Western areas were becoming territories . . . while territories were becoming states . . . while the covered wagon and the iron horse were gradually conquering geographical frontiers, the scope of American chemical production widened.

Two aims accompanied the launching of Chas. Pfizer & Company in business during the famous Gold Rush year. The first: to produce chemicals of the highest quality. The second: to produce in the United States those chemicals which up to then had had to be obtained from overseas.

Within a few years of Pfizer's founding, American physicians and pharmacists realized that here was a reliable source of materia medica . . . of bismuths, iodides and mercurials. After a little more than a decade Pfizer cream of tartar and tartaric acid appeared to challenge the supremacy of wine-making France and Italy.

From 'forty-nine in one century to 'forty-five in another, countless new Pfizer products have been developed to meet ever-expanding pharmaceutical and industrial requirements. Citric acid, long made from imported lemon juice and lime juice concentrates was produced at far lower cost from sucrose, marking a growing trend toward Pfizer leadership in fermentation chemicals.

Keeping pace with the uninterrupted advance of American pharmaceutical frontiers, such vitamin preparation ingredients as ascorbic acid and riboflavin have evolved from Pfizer research laboratory techniques. Climaxing the unfolding of a new science of biological engineering has been the controlled output of penicillin in such huge quantities as to make Pfizer the world's largest producer of the astonishing antibiotic which has so revolutionized man's unceasing warfare on disease-bearing bacteria. Chas. Pfizer & Co., Inc., 81 Maiden Lane, New York 7, N. Y.; 444 West Grand Avenue, Chicago 10, Ill.

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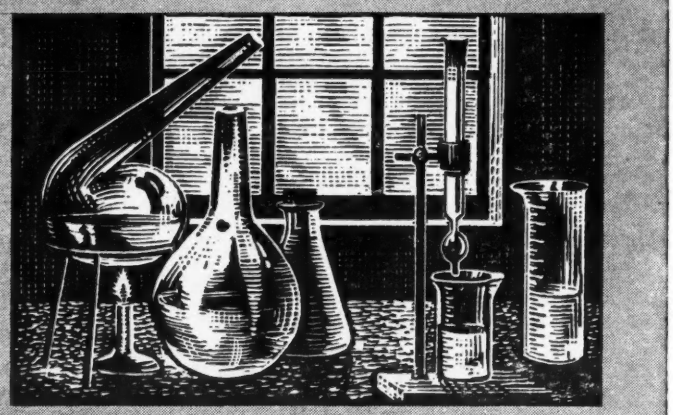

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Heavy Chemicals

Passing of labor disturbances which have disrupted alkali production have cleared the way for a resumption of output, but the gaps created by the closing down of plants have added pressure upon distribution and left caustic soda, chlorine and soda ash in exceedingly short supply. While labor troubles in this branch of the industry have been settled, the availability of additional manpower is a problem that has not been solved to date and it is apparent that stocks of many heavy chemicals will go into the new year short of demand.

Developments are going on behind the scenes in copper sulphate which suggest possibilities of a usually stationary market changing into a highly competitive situation. Zinc sulphate which has gone through a long, peaceful period has developed into a decidedly tight market with the rayon mills pumping in orders at a lively rate. The stringency in oxalic acid seems to be increasing with carlot business going into February and not offered very freely for that late date. The phosphates have remained exceptionally tight. Industrial varieties have been shipped freely to soapmakers where fillers are required to substitute the acute shortage of fats and vegetable oils. The feeding grades have commanded more buying interest to offset the current shortage of bone meal.

Such chemicals as carbonate and caustic potash, antimony oxide and hydrofluoric acid have been restored to a position practically normal. Occasional shortages of sulphuric acid have been heard, but the overall outlook for this acid is considered favorable. Latest official figures on production of bisulphate of soda and silicate of soda show a substantial drop without materially affecting inventories.

Paper production as a percentage of six-day capacity was 91.4 in the week ended Nov. 24, according to the American Paper and Pulp Association. This compares with 96.4 in the previous week and 87.2 percent a year ago.

Production and supply figures noted in some of the following market reports were released by the Chemicals Bureau unless otherwise specified.

Aluminum—Bills were introduced in the senate (S. 1612) and the house (H.R. 4838) last week directing the Reconstruction Finance Corporation to purchase at not in excess of the current market price, up to 1,500,000,000 pounds of primary aluminum, which might be in excess of industrial demand and is produced in a government-constructed aluminum plant. The aluminum so purchased would go into government stockpile for such disposition as congress might later direct.

Calcium Chloride—Demand has remained considerably ahead of current production and it is apparent that the end of the year will find the market in definitely short supply. Some producers are behind 90 days on their deliveries. If the Winter is as cold as last year, it is stated, the shortage may continue throughout 1946.

Chlorine — Interrupted production has placed the market in a relatively tight position which is thought by some suppliers to be of temporary existence. Ordinarily production could meet the present demand without difficulty. The paper mills are not calling for any usual amounts of chlorine because they are not in possession of pulp that requires much of this bleach at present.

Copper Sulphate—Present agricultural demand is quiet and is expected to remain so until after the turn of the year. Stocks are accumulating to take care of the prospective demand. The industrial inquiry is steady and probably normal if labor difficulties can be discounted. Exports to Central and Latin America have continued of satisfactory dimensions. Licenses have been granted for shipments to Argentina and a sizable volume of business has been secured under severe competition. Developments are materializing that may change the picture regarding future demand and supply. New production in Canada is going to take care of a lot of the Dominion's requirements. European plants are coming back into production quickly and the potential new production in Mexico will likely have an adverse influence on future export sales of American sulphate in that country. It is expected that a west coast producer will soon resume production and it is understood that an eastern seaboard producer has about completed extensive improvements. With increased production in the United States and a possible decline in export shipments, it would appear that a highly competitive situation may develop in the next few years. However, this may be changed by new uses developing in the United States such as soil amendment work. The other copper chemicals, including copper carbonate, naphthenate and oxide, have improved their supply positions under the relaxation of military demand.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.9	168.9	168.9	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

For Current Prices see page 9.

Salt — Department of Agriculture shipped to Hawaii 22,440 pounds of salt during September. The total amount shipped to that country from January 1 through September was 1,550,637 pounds.

Saltpeter — Relaxation of military demand has left the market in a relatively quiet condition. Some interest has been shown by the meat packers, and business will likely improve when packing house operations become normal. Meantime, the supply situation is not proving a serious problem. Production of saltpeter has been resumed in the Bordeaux region of France, according to foreign chemical advices.

Soda Ash—Cleared of labor disturbances, production is leaning toward expansion. Demand has shown no signs of easement to date and the new month opened with the same tight supply position that has featured the situation throughout the year. Both dense and light ash in bulk are moving more rapidly than bagged material, the latter being held down by the continued shortage of manpower. This condition was fully reflected in the inability of exporters to secure material.

Soda Bisulphite — Production dropped over 600,000 in September. The total registered 2,687,000 pounds compared with 3,326,000 pounds in August. Stocks at the close of the month amounted to 943,000 pounds against 757,000 pounds on August 31.

Soda, Caustic—No appreciable improvement could be noted in the supply situation although the elimination of labor difficulties has paved the way for a larger output. Liquid in tanks was in heavy demand for industrial use, with the shipping situation much better than in the dry forms. Producers are solidifying all they can with the manpower available and they are flaking all the material possible under current labor conditions, but the supply is far short of demand.

Soda Chlorate—Continued shipments to western areas said to be for weed-killer use are keeping the supply relatively short for other requirements. This movement has lasted longer than usual this season.

Soda Phosphate—Tribasic has commanded active buying interest from soapmakers and some of the other grades have been moved freely in this direction also. The tight position of the general market indicates supplies are short. Production of tribasic in September amounted to 7,296 tons, compared with 7,637 tons in August. Stocks at the end of September were 1,314 tons, against 1,302 tons on August 31. The output of dibasic in September was 5,014 tons, compared

For Late Market Developments, See Page 4

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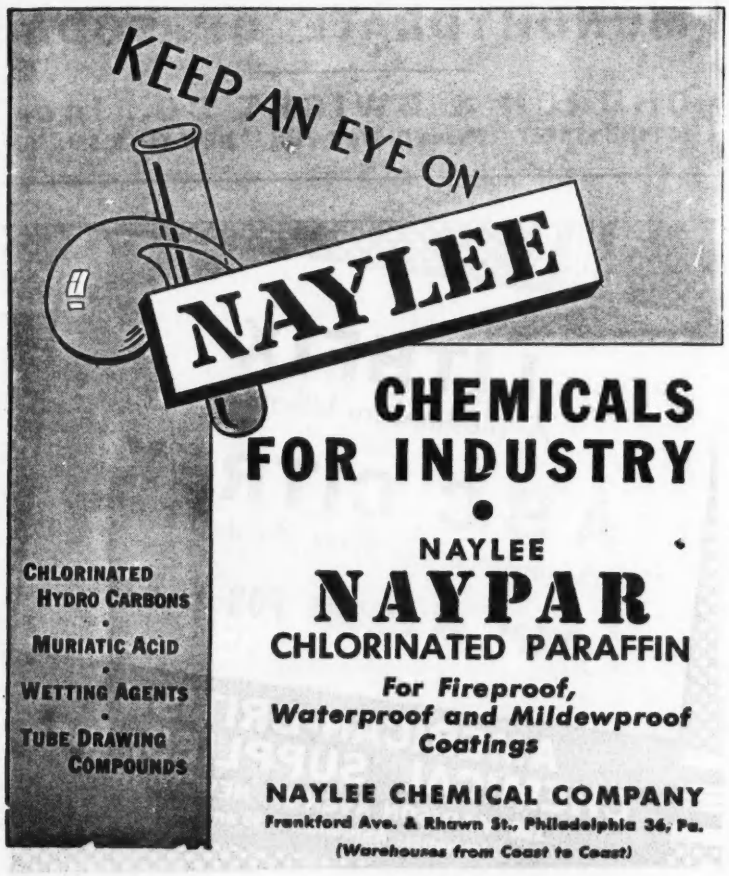

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with 5,574 tons in the previous month. Stocks at the end of September were down to 524 tons, against 839 tons at the close of August.

Soda Silicate—September production dropped nearly 10,000 tons. The total, including soluble liquid glass, liquid and solid anhydrous amounted to 24,684 tons, compared with 34,606 tons in the previous month. Stocks at the close of September were placed at 57,728 tons, against a revised total of 54,980 tons on August 31.

Sulphur—Buying interest in refined sulphur has not exceeded conservative limits during the last month or two. The supply of the different grades is adequate to meet current requirements, while the market's price structure is firm with current quotations being named for the first quarter of 1946.

Zinc Sulphate—Buying interest has shown a substantial increase for this material and the supply position has tightened appreciably. In some instances, producers have their output sold two months ahead. It is stated that reconversion of rayon mills to civilian production is the primary reason for the augmented buying power.

Acids

Chromic—Labor disturbances in the automobile industry did not seem to curb demand to any great extent. The supply position, while tight, is gradually improving.

Hydrofluoric—Supply position has continued satisfactory with prompt shipments of the anhydrous and other grades available for prompt shipment. Securing of suitable containers has facilitated the movement for export.

Hydrofluosilicic—Moderate demand mostly for use in the breweries has been satisfied easily from adequate stocks. Some small lot sales in other directions were also reported.

Oxalic—Stocks continued short of demand with shipments running below contract schedules. There was a well diversified demand for carlots with suppliers not eager to quote this side of February and some holding their offerings to regular consumers.

Sulphuric—Active distribution of output has created shortages in some out-of-town sections. The movement for agriculture has remained heavy, but complaints have been few about not receiving sufficient supplies. Production has been adjusted to a peacetime basis and in general the situation is considered satisfactory.

Baltimore, Nov. 30.—One of the surprising developments in sulphuric acid seems to be the fact that although the government demand has dropped to relatively low proportions, a pronounced scarcity has developed, which seems to be attributable to the demand from foreign areas in which hostilities continue or to rising requirements in connection with the transition from a war to a peace basis in the industries that were virtually out of production for years. This would seem to indicate that the shift from war to peace activities is progressing rapidly. But the fact remains that acid is not easy to get and there is a rising tendency to increase output. Another development beginning to attract attention is the expansion of storage facilities for acid, which might be taken to suggest that at some future time, production will exceed distribution and that means of taking care of the excess constitutes a wise provision. So far the ceilings set at the highs of March three years ago still constitute the level which producers must be maintain. These levels that show variations, apply to civilian as well as to government business.

National Can Elects Beamish President

National Can Company, New York, has announced the election of B. D. Beamish as president, director and member of the executive committee. Mr. Beamish succeeds the late S. L. Buschman.

Cotton Research Increase Urged

Increased technological research supported not only by growers and the government but by the entire cotton textile industry as the solution for the cotton industry hopes in the future, was given in a series of addresses at the annual meeting of the Cotton Textile Institute in the Waldorf-Astoria, November 28 and 29.

Congressman Stephen Pace, Ga., chairman of the congressional committee studying the economical position of the United States cotton trade, said that the great burden of cotton research depends upon the textile industry. Congressman Pace felt that if cotton was given the research it needs there was no reason for pessimism about the future of the fibre.

Phila. Quartz Names Turner to So. Territory

Dwight L. Turner has joined the sales staff of the Philadelphia Quartz Company, manufacturer of sodium silicates and potassium silicates, Philadelphia, Pa. Mr. Turner, whose home is in Greensboro, N. C., is assigned to the Southern territory. He is a graduate chemist of the North Carolina State University and recently received his honorable discharge from the Army Air Corps.

Nitrate Plant Leased

Reynolds Metal Company, New York, has leased for ten years from the Tennessee Valley Authority, nitrate plant No. 1, at Sheffield, Alabama. The plant will be used for the construction of building products.

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Washington Talks It Over

Continued from page 5

Congress provides the money. As Congress gives the agency increased funds, its interest in this field will be increased in proportion.

What's in a Name

During hearings recently before the senate appropriations committee, officials of the Department of State were going into quite a bit of detail about some of the employees being transferred over to the department from FEA, their titles, and the work they were doing. Acting Chairman McKellar listened attentatively to the high-sounding titles and supposed that with such wonderful language they couldn't miss performing their duties. Turning to Senator Ball, he remarked:—

"We senators ought to get up something as attractive. Instead of saying a man is a senator, he should be a coordinator of our government's policies and programs in the field of international trade and economic relations. That would be a proper sort of title. I wish you would work one up."

"We just make 'em; we don't bother to coordinate 'em," Senator Ball replied dryly.

Medical Service in War

The record of the medical men and the medical service in the war just ended has never been equaled by any army in any war. There were over 570,000 wounded in World War II, of whom 360,000 were returned to some type of duty. There were some 25,000, or approximately 4 percent, who died of their wounds.

In World War II only six men in each 10,000 died of disease each year. This is a lower death rate in disease than that of civilians in the same age group here in the United States; yet, these men lived in every part of the world under adverse physical and sanitary conditions. In World War I. 165 in each 10,000 died each year of disease and these men were serving only in the United States and in Europe. The disease death rate in the Union Army in the Civil War was 712 per 10,000.

The death rate from pneumonia has been reduced from 24 percent in World War II; the death rate from meningitis was reduced from 34 percent to 4 percent.

The record attests to the good job done by the medical profession in preventive medicine, as well as in the treatment of disease.

John M. Parks has joined the staff of the American Society for Metals as editor of technical books.

Union Carbide Names Eight Vice-Presidents

Directors of the Union Carbide & Carbon Corporation, New York, has announced election of eight new vice-presidents and a secretary-treasurer, top officers of important subsidiaries, to head nine newly organized divisions.

Dr. Joseph G. Davidson, president of Carbide & Carbon Chemicals Corp., becomes vice-president in charge of the company's chemical division. Stanley B. Kirk, president of Linde Air Products Corp., is made vice-president of the industrial gases division. James W. McLaughlin, president of Bakelite Corp., was named vice-president of the plastics division. William J. Priestley, president of Electro Metallurgical Co., becomes vice-president of the alloys and metals division.

Other appointments are:—John H. Rodger, president of Oxweld Railroad Service Company, as vice-president of the railroad division; Arthur V. Wilker, president National Carbon Company, as vice-president of the carbon division; H. Earl Tompson, vice-president of Carbon & Carbide Chemicals, as vice-president of engineering, and Robert J. Hoffman, president of Union Carbide Research Laboratories, as vice-president of industrial relations. Morse G. Dial, secretary-treasurer of the subsidiaries, becomes secretary-treasurer of the parent.

Tenn. Eastman Opens New York Sales Office

Tennessee Eastman Corporation, Kingsport, Tenn., has established a New York sales office at 10 East Fortieth street. Sales of Tennessee Eastman's plastic, 'Tenite,' and its cellulose esters in the New York area will be in charge of William L. Searles. F. L. Bume will handle the recently introduced line of Eastman acetate dyestuffs, and sales of other Tennessee Eastman chemicals in this district will also be made from the new offices. R. C. Tuttle will direct the corporation's advertising. A. M. Tenney Associates, Inc., located at the same address, will continue to act as sales representatives for Eastman acetate rayon and staple fiber.

Du Pont to Open Ceramics Laboratory

The electro chemical division of E. I. du Pont de Nemours Company, Wilmington, Del., plans the establishment of a general laboratory for service to the ceramic industry. The laboratory will be established in Columbus, Ohio. O. T. Fraser will be in charge of the laboratory.

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Philipp Brothers, Inc., takes pleasure in announcing its appointment as exclusive selling agent for Victory Chemical Co., Inc., Buffalo, N. Y., both for the United States and for export. Equipped with a huge, modern plant, Victory Chemical Co., which turned out large quantities of titanium tetrachloride for smoke screen purposes during the past war, has sufficient capacity for large scale production of muriatic acid, monochloro-, orthodichloro-, and paradichlorobenzene.

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OPD—12-3-1945 43

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RFC Offers Chemical Plants for Sale or Lease

OPD Washington Bureau

An additional group of government-owned plants is being offered for sale by the Reconstruction Finance Corporation, the disposal agency designated by the Surplus Property Administration to receive proposal for the purchase or lease of these properties in the interest of continued employment. These plants were acquired by various agencies of the government for War Production, and are now, or shortly will be, declared surplus to government needs. Among the plants offered are:—

National Carbide Corporation plant is located on a leased land area of one acre about 4¾ miles southwest of Louisville, Ky. This plant was designed for the production of acetylene.

National Lead Company, Tahawus, N. Y., plant, designed for the treatment of magnesite by the sintering process, is located on a land site of approximately 7 2-3 acres.

Premier Oil Refining Company, Cotton Valley, La., plant is equipped to produce 2,152 barrels of 100-octane gas daily.

Charles Hardy, Inc. Elects Dale President

John D. Dale has been elected president of Charles Hardy, Inc., and its associated research organization, Hardy Metallurgical Company, New York. Mr. Dale, who had been vice-president and director of Charles Hardy, Inc., and a director of Hardy Metallurgical Company since 1940, was released from active duty with the army on November 4. He succeeds the late Charles Hardy.

Mr. Dale is a graduate of Hamilton College and attended the New York University Graduate School of Business Administration. From 1936 to 1940 he was South American representative and manager of the Automatic Instruments Division of the American Steel Export Company, and traveled extensively for that company throughout Central and South America and the West Indies.

Toluene Plants Disposal

—Continued from page 7

plants of the Cities Service Refining Corporation, Lake Charles, La., and that of the Phillips Petroleum Company, Borger, Texas, were discontinued after expenditures of less than $1,000,000.

Of the total cost of the Baytown plant, $12,821,000, all but $300,000 was met with public funds. It has a rated capacity of 6,083,000 gallons of toluene a month. The property comprises about 52 acres of land and sixty-nine buildings with about 319,000 square feet of floor area, including an office building, compressor house, warehouses, and shops. The toluene equipment consists of distillation towers, compressors, turbines, centrifuges, pumps, and piping. There are water wells on the site and facilities for distributing gas and electricity, which are furnished by the operator.

Capacity Is Excessive

SPA informed Congress that two major problems of disposal are presented by scrambled facilities and excessive aggregate capacity. The toluene facilities are generally adjuncts of petroleum refining plants, and most of the refineries making toluene have other government-financed expansions for making aviation gasoline and motor fuel or butadiene or styrene for the synthetic rubber program, or components for these several products. In addition, there are privately financed facilities for producing all these materials.

Inasmuch as the production of toluene is almost entirely dependent on the other refining facilities for supplies of feed stocks, it is hardly practicable to operate the toluene plants independently, it was stated. However, it should be noted that with relatively minor changes most of the equipment for making toluene could be used for other phases of petroleum refining.

Stokes Machine Co. Appoints Agents

F. J. Stokes Machine Company, Philadelphia, Pa., has appointed Williams & Wilson, Ltd., exclusive sales representatives throughout Canada, east of Manitoba. Williams & Wilson maintain offices in Montreal, Toronto and Windsor. The Stokes machine company has also appointed Harold G. Roman, 564 Main street, Portland, Conn., as its New England sales agent.

Victor Chemical Converted To Peacetime Operation

All operations of Victor Chemical Works, producer of elemental phosphorus and phosphate chemicals, Chicago, have been fully converted from war to peacetime production and rapidly are approaching maximum output to meet a backlog of customer demands, August Kochs, president, has announced.

Phila. Chemical Club Christmas Party Dec. 14

The Philadelphia Chemical Club will hold its annual Christmas party at the Ritz Carlton Hotel, Philadelphia, December 14. Reservations are in charge of W. R. Andrews of W. R. Andrews Sales Company, 1505 Race street, Philadelphia.

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Announcement

The Ammonia Department of E. I. du Pont de Nemours & Co. (Inc.) announces the following price schedule on Anhydrous Ammonia and Ammoniacal Liquor in tank cars effective January 1, 1946.

Anhydrous Ammonia

Commercial Grade (Minimum 99.5% NH_3) . . . $59.00 per ton of 2,000 pounds in Seller's tank cars.

Refrigeration Grade (Minimum 99.95% NH_3) . . . $69.00 per ton of 2,000 pounds in Seller's tank cars.

Above prices are f.o.b. Belle, W. Va., freight equalized with Wyandotte, Michigan; Niagara Falls, New York; and Hopewell, Virginia.

Effective January 1, 1946, and until further notice, freight will also be equalized with El Dorado, Arkansas; Military, Kansas; and Buckeye Ordnance Works, Ohio.

Ammoniacal Liquor

(Minimum 29.4% NH_3)

$65.00 per ton of 2,000 pounds of NH_3 in Seller's tank cars f.o.b. Belle, W. Va., freight equalized with Detroit and Wyandotte, Michigan; Niagara Falls, New York; and Hopewell, Virginia.

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Wilmington 98, Delaware

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Agricultural Chemicals

Buyers are paying more attention to fertilizer materials, partly in response to government urge to purchase early and also through the inability to seure additional stocks of many essential items. Production of potash, sulphate of ammonia and superphospate is heavily sold ahead and there is practically no resale stock on the market. Suppliers of bone meal, castor pomace, dried blood and tankage assert that inventories are at the lowest point of the year. Nitrate of soda was available although the future outlook is not so encouraging, according to official reports. In the insecticides, DDT is commanding the most attention at present. While production will probably meet requirements, current output is heavily under contract. From a war production of 3,000,000 pounds a month, output has settled down to approximately 2,750,000 pounds a month. It looks as though a lot of this insecticide will be used on potatoes and on fruits that have a smooth skin, such as apples and pears.

An amendment has been added to part 1499 section 2.12 which refers to any kind of mixed fertilizer, superphosphate, potash, or nitrogenous material in capsule, liquid or gaseous form for use by consumers. The amendment states in part that in less than 80 pound net weight packages in any size of container, a tag must be attached stating the fertilizer was made and offered to consumers for use on lawns, parks, trees, etc., rather than for use on commercial crops. The amendment became effective November 26.

Exports of bones from Brazil dropped from 4,582,922 kilograms in 1941 to 1,188,297 kilograms in 1944, and because of the regulation of July 31, 1945, prohibiting the export of bones, Brazil is not at present a source for bone materials.

Nitrogenates

Ammonia Sulphate—The Office of Price Administration has issued Amendment No. 7 to RMPR 205 to require that purchasers of sulphate of ammonia shall pay the difference in freight costs on shipments from producer to destinations other than those stated in the purchase contract. The amendment is effective December 1. It states:—

In the event that a purchaser of sulphate of ammonia directs a producer, importer, or primary jobber to make shipments of sulphate of ammonia to a destination point other than the destination point specified in the contract for the sale of such material, the buyer may be required to pay any increase in freight charges arising from such change in destination.

Bone Meal—Buyers continue to experience difficulty in locating stocks of the different grades of this material. Meanwhile, demand is exceeding current output and the market continues exceedingly tight.

Castor Pomace—Practically all present production is moving against old contracts which are reported somewhat behind scheduled requirements. No resale stock was on the market.

Fish Scrap—Menhaden catches off the North Carolina coast have increased and production of scrap has been somewhat larger than expected. Demand continued active with the major part stocks being shipped to grinders in the Midwest for conversion into meal.

Hoof Meal—No additional sales could be traced. Inquiry was active with no material available. Firm bids at ceiling prices were reported.

Nitrogenous Material — Domestic production of synthetic tankage is taken care of by existing contracts leaving the supply condition tight. Expectations that the recent revision in importation prices would attract foreign material to the American market have not been realized to date.

Soda Nitrate—While stocks are meeting the current demand without difficulty, it is apparent that future importations are not going to reach the dimensions of the previous year. The government is again urging the early purchase of nitrate to insure farmers of having an adequate supply on hand.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

For Current Prices see page 9.

Phosphates

Phosphate Rock—Transportation facilities seem to be none too adequate to handle mine shipments judging by reports emanating from some of the larger acidulators. Both railroad and ships are being pressed to handle the current movement. Output is heavily under contract for both home and export requirements. An arrival of 500 tons from Casablanca was noted during the week.

Superphosphate—With present facilities, production is estimated at 7,200,000 tons of 18 percent a-p-a for this year. There is not much chance of increasing output in 1946 unless there is an easement in labor and more equipment is obtainable. The current demand is active for domestic use and export consumption. Reports state that Baltimore plants have not reached capacity on account of manpower shortage and are behind contract schedules. The supply situation in the local area has continued tight.

Potashes

Shipments of muriate and manure salts have run behind scheduled requirements of fertilizer mixers. Production has been maintained around peak levels, but a serious shortage of freight cars has delayed the movement from plants in the Southwest. The desire of buyers to obtain more material has increased interest in the possibility of importations. Rumors regarding an importation of Russian potash may be clarified by the fact that 3,000 tons are coming into New York for shipment to Canada.

Advices from France state that sales began in April from stocks and through August 31 amounted to 128,288 tons, with a K_2O content of 68,611 tons. If transportation had been available, the entire stock of 88,000 tons could have been sold. Potash warehouses in Antwerp were taken over for military purposes and until this space is again available it will be difficult and costly to move large tonnages.

Insecticides

Calcium arsenate production in September was placed at 906,000 pounds by the Chemicals Bureau. August output amounted to 2,227,000 pounds. The carryover on September 30 was 12,777,000 pounds. Stocks August 31 were 12,710,000 pounds. Paris green production in September was 156,000 pounds against 149,000 pounds in August. Stocks at the close of September were 827,000 pounds compared with 738,000 pounds on August 31.

Mexican fruitfly quarantine and regulations have been revised to provide for eliminating the use of permits for part or all of the regulated areas for the part of any year by the chief of the Bureau of Entomology and Plant Quarantine at his discretion. The revision also makes minor modifications in conditions relating to insurance, transit inspection, experimental shipments, etc.

Under the agreement of May 7, 1942, between the United States and Peru, all barbasco roots exported since that time have gone to the United States and the United Kingdom. The agreement will expire on May 7, 1946.

Sulphur and Pyrites

Sales of sulphur have maintained a satisfactory average under a demand that has held at a level somewhat above general expectations. The supply is adequate to meet requirements promptly. Spanish pyrites remained quiet with trading regulated by arrivals. Prices were unchanged.

For Late Market Developments, See Page 4

Petroleum Derivatives

Amid clamorings on the part of petroleum refiners for the establishment of a higher price ceiling on light fuel oils, as a greatly needed incentive for swelling their output of this derivative so greatly as to avoid all possibility of a shortage in these home heating liquids on the Eastern seaboard this Winter, the Office of Price Administration has ordered a markdown of prices for the heavy or bunker grades of fuel oils at the fifteen principal seaports on the Atlantic coast, in recognition of the recently lowered transportation rates on shipments in tankships from the Texas Gulf coast.

An announcement by OPA of this compulsory reduction in the wholesale prices for heavy residual fuel oil and further assurances of ample supplies of crude oil, gasoline, liquefied gases and solvents have constituted the principal developments in the petroleum industry within the past week. Virtually the only petroleum derivative in which there now remains even a vestige of a shortage is paraffin, albeit the threat of a pinch in kerosene as well as in the light fuel oils in the New England territory, in the period of heavy snowstorms this Winter, still hovers over the otherwise satisfactory situation in the petroleum refining industry and may materialize, if these storms seriously retard or otherwise interrupt coastwise shipping and rail movements for a considerable time.

For the purpose of devising ways and means for alleviating, if not entirely obviating, the threatened shortage in kerosene and range oil as well as in No. 1 fuel oil on the East coast, the Office of Price Administration is now conferring with industry representatives in New York. The first of these conferences was held November 30.

PAW has revoked its war directive 59, controlling the importation and distribution of petroleum products in the East coast states, making this revocation effective as of November 30. All restrictions on the importation and distribution of gasoline, kerosene and fuel oils on the Atlantic seaboard had been rescinded a month earlier.

Solvents and Diluents

Aromatic Solvents—With ample supplies of toluol and only slightly less liberal offerings of xylol available to the processors of these high-solvency aromatic naphthas, the latter are able to meet all the steadily use by consumers.

Cleaners' Naptha—Buying interest continues keen on civilian account and only slightly less so on the score of military requirements.

Lacquer Diluent—Still moving in considerable volume into lacquer making channels.

Mineral Spirit—Continues in spirited demand throughout the paint industry.

Rubber Solvent—Despite work stoppages in some of the synthetic rubber making plants, the takings of the manufacturers of synthetic rubber continue so large as to absorb virtually the entire output of this solvent.

Stoddard Solvent—Extensive purchases by civilian drycleaning interests as well as by the military are still noted in this material.

V. M. & P. Naphtha—A sizable movement of this naphtha continues to be reported into the paint and varnish trades.

Markets at Other Centers

Chicago, Nov. 30.—Business is showing little change in petroleum solvents and diluents in this area. Orders have been reaching a fairly sizable volume for some time past, although offerings remain within noticeable limits.

Los Angeles, Nov. 30.—Market in solvents and diluents remain active on the Pacific coast as supplies increase. Tone of market holds firm.

Lighter Fractions

Butane—Although this liquefied petroleum gas is not yet in superabundant supply, it is becoming available in satisfactory quantities by those employing it for heating and cooking in the South and Southwest and by private enterprises using it for the generation of intense heat in certain industrial processes as well as by the fortifiers of aviation and other high-octane gasoline and manufacturers of synthetic rubber. While one large producer of this gas reports difficulty in filling all the orders of these consumers promptly, others engaged in its making state that they are able to offer enough to meet all current requirements.

Heptane—Still moving in fair volume into civilian as well as military channels.

Hexane—Continues in fair request.

Octanes—Buying interest still reaching considerable proportions.

Pentanes—Civilian buying movements continues to outstrip the military shipments, which are now growing smaller daily.

Propane—In better supply than butane but otherwise almost exactly similarly situated, with production once more in balance with the demand.

Markets at Other Centers

Chicago, Nov. 30.—Liquefied petroleum gases continue firm in this area. Buyers are having some continuing difficulty in obtaining all the material they need. Offerings are generally not very extensive.

Los Angeles, Nov. 30.—Propane and butane continue moving in goodly volume on the Pacific coast, both to makers of high-octane gasoline and civilian consumers.

Petrolatums and Waxes

Microcrystalline Waxes—Moving in steadily increasing volume under the leadership of the standard process types.

Paraffin—With the domestic and export demand still running considerably in excess of current production, there continues to be an alarming shortage of both crude scale and the refined grades of this petroleum wax. One of the leading producers reports that it is behind in making deliveries to the extent of 8,300 pounds on orders long since booked.

Petrolatums—A wellnigh insatiable demand has sprung up for U.S.P. and technical as well as for veterinarian grades of this petroleum jelly, which is selling far more extensively at the recently advanced prices than it was at the lower price levels.

White Mineral Oils—The buying movement in these oils continues to reach large proportions, stimulated, rather than diminished, by the higher prices now being asked for U.S.P. and the technical types by leading producers and all other suppliers.

Fuels and Lubricants

Crude Petroleum—The steady gain in the average daily rate of crude oil production in the domestic oilfields has been interrupted by a slight setback but will undoubtedly be resumed within the next few weeks. For the week ended November 24, the daily rate has shown a recession of 5,200 barrels, which carried it down to 4,469,300 barrels. Runs of crude oil to the refineries for that same week have averaged 4,648,000 barrels, or 86 percent of capacity, as compared with 4,693,000 barrels for the previous week.

Fuel Oil—By issuing amendment 37 to MPR 88, the Office of Price Administration has ordered a markdown in prices of the heavy or bunker C fuel oils, otherwise designated as Nos. 5 and 6, at the fifteen principal Atlantic coast ports, ranging from 4 cents to 4½ cents per barrel, in view of the recently considerably reduced tanker transportation rates from the Texas Gulf coast.

Plans for alleviating, if not entirely obviating, the threatened shortage in No. 1 fuel oil and also in kerosene and range oil are being considered at a conference in New York between representatives of OPA and of the petroleum refinery interests, which began November 30.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

Fuel oil, Nos. 5 and 6, at fifteen Atlantic seaboard ports, 4c. per bbl.

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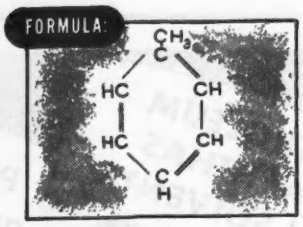
TOLUOL

DEFINITION: The coal-tar product toluol, also called toluene and methylbenzene, is an aromatic hydrocarbon.

HISTORY: Discovered in 1838 by Pelletier and Walter in the condensation products from the manufacture of rosin-gas, and was called "retinaphtha." Afterwards Deville obtained it by destructive distillation of tolu balsam. The name toluol (toluene) was given to it by Berzelius. Mansfield found it in coal-tar.

FORMULA:



SOURCES: Toluol is a normal constituent of the light oil recovered in the distillation (coking) of coal. This source of toluol has, in peace times, been sufficient to meet civilian requirements.

CHARACTERISTICS: Colorless mobile liquid boiling at 110.6°C/760mm., having a density of 0.8812 at 4°C, and solidifying at −95° C. Insoluble in water, dissolves readily in alcohol or ether.

USES: Starting point in manufacture of dyestuff intermediates and medicinals. Diluent for lacquers and solvent for synthetic enamels.

GRADES: Nitration toluol; specific gravity .869-.873; boiling range 1°C including 110.6°C. Industrial pure toluol; specific gravity .864-.874; boiling range 2°C including 110.6°C. Approximate weight per gallon—7.24 lbs. Shipped in returnable 50-gallon drums, non-returnable 50-gallon steel barrels, tank cars, and by tank trucks in areas surrounding many industrial centers.

This is one of a series of advertisements presenting information on basic coal-tar chemicals.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

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ALLIED CHEMICAL & DYE CORPORATION
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The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.
ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Aside from toluol, consuming demand for the basic coaltar chemicals has been maintained at a relatively high level. Expectations that inquiry would relax appreciably have not been realized to date. Export demand has neutralized the cutback in military purchases to some extent while domestic backlog orders appear to be taking more production than anticipated. While foreign credits have room for improvement, benzol, phenol, toluol and xylol have commanded interest from exporters, and sales of fair dimensions are reported to have been made. Domestic demand for creosote oil is just about topping current production, with shipments for wood-processing preventing the accumulation of excess stocks. Cresylic acid has held its former buying interest, with the supply short and prices firm. Crude naphthalene continued to follow the trail to the synthetic resin industry, while the maintenance of heavy demand for refined has held the supply in a definitely tight condition. The synthetic grade of phenol has continued to improve its supply position, but there was very little natural available.

Buying interest in the intermediates turned rather spotty, with specialties active and others relatively quiet. The acid group showed no abatement of demand for fumaric, maleic, technical salicylic and anthranilic. The placing of some sizable export orders in acid H has put a crimp in the available supply temporarily. In the other intermediates, anilin oil revealed a better production and a broader distribution. Catechol has worked into a position considered normal. Phthalic anhydride was taken freely from stocks that are not scarce. Resorcinol demand was satisfied readily and the market presented a normal appearance. Most of the hydrogenated solvents were available for prompt shipment.

Steel operations for the week beginning November 26 were scheduled at 83.5 percent of ingot capacity, compared with 82.4 percent in the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 72.9 percent. The present schedule is equivalent to the production of 1,529,400 net tons of ingots and castings, compared with 1,509,300 tons in the preceding week and 1,732,400 tons for the corresponding week in 1944.

Basic Products

Benzol—Firm under a steady miscellaneous consuming inquiry for home and export. The supply is meeting this demand without much difficulty at present. The call from the liberated countries of Europe seems to be expanding and will probably continue until British producers are in a position to offer more formidable competition. The chief problem at present seems to be in the establishment of credit.

Creosote Oil—No accumulation of supplies could be noted during the month of September. The active demand, mostly for wood-processing, has maintained a ready outlet for production. The increase in output has been gradual and the market has not relaxed from its tight position.

Cresylic Acid — Available stocks have passed readily into consumption, the demand for tricresylphosphate showing no evidence of abatement. The rapid absorption of domestic output and smaller importations have left the supply position definitely tight and firm.

Naphthalene — Continued demand for crude has put a check on accumulations and added a better degree of balance to the market's position. The principal movement is to the manufacturers of phthalic anhydride who are experiencing an active demand from the synthetic resin industry. All the refined material being made is moving against deferred orders where a large backlog still exists.

Phenol — Production of synthetic phenol has improved its supply position during the month of November. The new month opens with stocks fairly free and suppliers able to accept business for prompt shipment. There was no indication of easement in natural, the market remaining in definitely short supply.

Toluol — Buying interest in toluol was not very active last week. Conservative purchases for home consumption and some export sales were about the best that could be said. The supply was fully capable of meeting requirements.

The War Department, November 27, confirmed reports that its Chicago Ordnance District had sold 500,000 gallons of toluol at a price of 15c. a gallon. The material was stated by the department to be what is classified as "terminal inventory" of the Texas Company plant at Lockport, Ill. The department stated that it has the right under the law to dispose of contract termination inventories without referring them to RFC for disposal.

Xylol — Lacquer manufacturers are taking enough xylol to keep the supply short for other consumers. The market remained tight, possibly tighter than most of the other basic coaltar poducts.

Chicago, Nov. 30.—Inquiry has held up well for coaltar bases. Meanwhile the volume of material available in the market continued moderate, and sales were made on a generally firm market structure. Benzol was in good call. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed, 15c. per gallon; 2-degree toluol, same basis, 28c.; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 26c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Buying interest in cyclohexanol has remained active enough to prevent any serious stock accumulations. Shipments for use on cleansers and solvents continued fairly steady. Makers of vinyl resins are taking a lot of cyclohexanone and so are the producers of plasticizers. Cyclohexane is finding a steady outlet in the manufacture of neoprene. This movement will likely continue until natural rubber becomes a commercial quantity again.

Coaltar Acids

Anthranilic—Production is finding a steady outlet in the manufacture of dyestuffs and intermediates. The current demand has rather pinched the supply and the market at the beginning of the month assumed a tight position.

Benzoic Technical—Stocks now available for prompt shipment. Consuming demand, while fair, was not urgent and sellers were able to take care of requirements without difficulty.

Fumaric—Manufacturers of synthetic resins and protective coatings seem to have a lot of gaps open for this acid. Current output is moving rapidly enough to hold the supply position distinctly tight.

H—Recent purchaes for export account have reduced the available supply temporarily. There was not much

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	129.2

For Current Prices see page 9.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended November 23 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	912,667
Ammonia sulphate	lbs.	23,633,269
Benzol	gals.	2,978,176
Coaltar	gals.	11,048,703
Creosote oil	gals.	614,849
Naphthalene	lbs.	1,460,267
Phenol	lbs.	172,976
Toluol	gals.	595,634
Xylol	gals.	134,478

For Late Market Developments, See Page 4

Koppers has a number of strategically located shipping points throughout the country, from which it ships these coal tar solvents.

Now that allocations have been lifted, you can enjoy the manufacturing advantages of genuine coal tar solvents once more.

KOPPERS COMPANY, INC., TAR AND CHEMICAL DIVISION, PITTSBURGH 19, PA.

material offered for prompt shipment at the close of the week.

Maleic—More demand than supply at present. The alkyd and other synthetic resins as well as protective coatings have a large amount of backlog orders to be filled. Supply situation definitely tight.

Salicylic Technical — Reported in short supply in sympathy with the other salicylates. Current demand has topped production, leaving available stocks short and prices firm.

Other Intermediates

Anilin—Supply conditions have improved without permitting surplus stocks. Distribution has covered a wide field, with enough backlog orders to take production readily.

Catechol—Adjusted to a normal market condition. Sales reported at former prices for both home and export consumption from stocks that are fairly comfortable. Gradual expansion in demand expected to take place after the turn of the year.

Orthochloroanilin — Moderate trading reported mostly in small lots representing actual requirements. Stocks available for prompt shipment.

Paranitrophenol — Supplies were available to meet current requirements without much difficulty. Supply position has shown improvement during the past month.

Phthalic Anhydride—Synthetic resin manufacturers have continued to take this intermediate in sizable quantities. There was also a fair demand for dyestuffs and esters. The supply is not a problem at present.

Resorcinol—Requirements for home and export have continued sufficiently active to keep this market in a well-balanced position. Supply is meeting demand promptly and the market may be tagged as normal.

Coaltar Colors

Improved production reported to be finding a steady outlet mostly to regular consumers. There is a better assortment of dyestuffs with demand sufficient to limit any excessive inventories. The outlook is for gradual expansion in demand barring labor disturbances. The acid, direct and vats, was well represented in the week's movement.

Allied Chemical Fellowships Continued

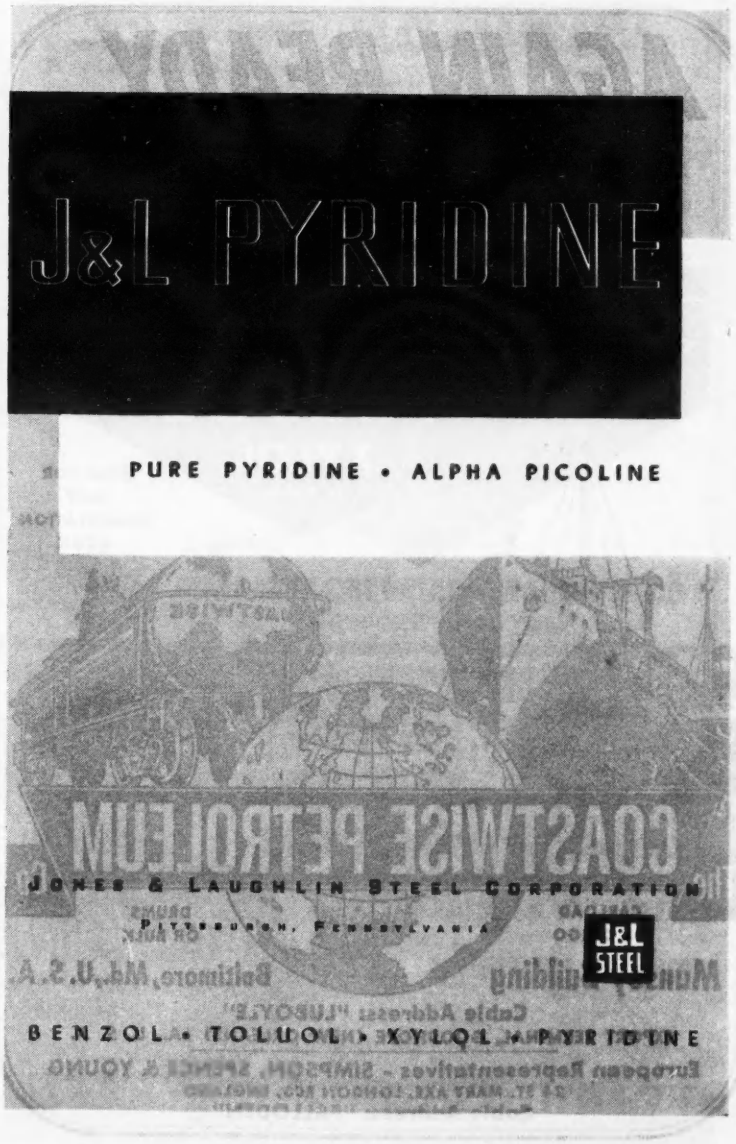
Allied Chemical & Dye Corporation is continuing for the academic year 1945-46 the graduate fellowship plan established by it some years ago. The plan was initiated with a view toward encouraging graduate study in chemistry and chemical engineering, and increasing the number of research workers with advanced training. In view of the interruptions to education caused by the war, the number of research workers entering industry each year has declined sharply. Research is the foundation of continuing success in the chemical business, and the scarcity of research workers is a matter of concern to the industry.

In order to stimulate graduate study and to help universities in re-establishing their graduate activities, the stipend of the Allied Chemical-fellowships has been increased from $750 to $1,000, which is exclusive of tuition and laboratory fees. As heretofore, the recipients of the awards and the type of research are selected by the schools. Any subject may be chosen which is expected to prove suitable for a Ph.D. thesis.

A total of twenty-four fellowships are offered in twenty universities. The universities and the subjects in which Allied Chemical Fellowships are offered are as follows:

University of California, chemistry; California Institute of Technology, chemistry; Carnegie Institute of Technology, chemical engineering; Columbia University, chemistry; Cornell University, chemistry; Harvard University, chemistry; University of Illinois, (2), chemistry; State University of Iowa, chemistry; Massachusetts Institute of Technology, (2), physical chemistry or physics and chemical engineering; University of Michigan (2), chemistry and chemical engineering; University of Minnesota, (2), chemistry and chemical engineering; Northwestern University, chemistry; Ohio State University, chemistry; Pennsylvania State College, chemistry; University of Pennsylvania, chemistry; Polytechnic Institute of Brooklyn, chemistry; Princeton University, chemistry; Purdue University, chemistry; University of Wisconsin, chemistry; and Yale University, chemistry.

BUY VICTORY BONDS



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Oil Resources Increased By 'Miniature Oil Field'

An electrically-operated miniature oil field, which will save immense quantities of oil that otherwise would be lost beneath the earth's surface, has been perfected by the Gulf Oil Corporation, Pittsburgh, it was revealed today. The new device will substantially increase the world's usable oil resources by assuring a greater percentage of oil recovery. By an ingenious process, the miniature field foretells with considerable accuracy just what will happen in an oil-producing area for periods up to twenty years in the future.

Skov West Coast Manager for Hercules

Robert L. Skov has been appointed sales manager in the West Coast district for the Cellulose Products Department of Hercules Powder Company, Wilmington, Del. He has been supervisor of Western Hemisphere exports since October, 1944.

A graduate of the civil engineering school of the University of California, Skov spent several years in the West Indies, Chile, Bolivia, Brazil, Argentina and Mexico, before joining Hercules in May, 1934, as a member of the sales staff of the San Francisco office. In 1938, he was placed in charge of sales for the Naval Stores Cellulose Products, and Synthetics departments on the West Coast.

In 1943, he was transferred to the engineering department of the company's explosives plant at Hercules, Cal.

Skov went to Wilmington in May, 1944, as a member of the sales and development staff of the Naval Stores Department.

Other Hercules sales managers located in the San Francisco office are:—Harry F. Kolb, Paper Makers Chemical Department; F. George Trescher, Explosives Department; R. E. Kahn, acting supervisor of sales for the Synthetics Department.

Lt. Col. Jos. Mulligan Back With New England Co.

Lieut. Col. Joseph H. Mulligan will resume his position with the New England Chemical & Paint Company, Boston. Colonel Mulligan has just returned to the United States after spending three years in Europe as chief of Supply Division Transportation Corps., U. S. Army. He has been awarded the bronze star and has been recommended for the legion of merit for meritorious service in this active war theatre.

Foreign Liquidation Staff Deputy Director Named

Neil T. Dalton, former acting head of the Office of War Information, charged with its liquidation, has been appointed director of the Division of Areas and Public Relations Consultant, the Foreign Liquidation Commissioner's Office, Thomas B. McCabe, Commissioner, has announced.

Lammot du Pont Relinquishes Finance Committee Post

Lammot du Pont, chairman of the board of directors of E. I. du Pont de Nemours & Co., Wilmington, Del., has retired as a member of the finance committee, but will continue as chairman of the board and chairman of the bonus committee.

Textile Technology Institute Adds Johnson to Staff

The Institute of Textile Technology, Charlottesville, Va., has appointed Dr. Burt P. Johnson to its research staff as head of the biology division. He was formerly with Goodyear Tire & Rubber Company.

Yandell Leaves Tannin Corp.

Lunsford P. Yandell is resigning as resident manager of the New York branch of Tannin Products Export Corporation (Sociedad Anonima Exportadora de Productos Tanicos) with the intention of forming new business connections at the end of the current year. Arthur Sauer, sales manager of the New York branch, has been placed in charge of the branch office pending the appointment of Mr. Yandell's successor.

BUY VICTORY BONDS

Trade Briefs

D. A. McDougald, assistant to the president of Sinclair Petroleum Company, has left New York for Ethiopia to open an office for the company in Addis Ababa.

Clark Moore has been appointed manager of the asphalt paving sales department of Barber Asphalt Corporation. He formerly was connected with the Smaller War Plants Corp.

Captain F. V. Lowden, recently released from the United States Coast Guard Reserve, has been named veterans' coordinator of Standard Oil Company (New Jersey) and its affiliates.

Northwood Sales Corporation, New York, has been formed to deal in paints, oils, varnishes, shellacs and dyes. Attorney for the corporation is A. Walter Socolo, 580 Fifth avenue, New York.

Seaside Paint & Lacquer Company is the firm name under which Bernard P. Friendland has published a certificate that he is conducting a manufacturing business at 1439 Cota Avenue, Long Beach, Calif.

Reuel W. Elton, executive assistant to the president of the National Paint, Varnish and Lacquer Association, was elected a member of the Board of Directors of the American Trade Association Executives.

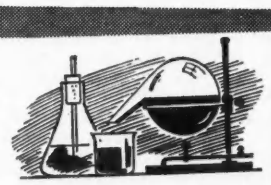
Phenoglaze Sales Corporation, New York, has been formed to deal in paints, oils, graphite, fireproofing and waterproofing materials. Attorney for the corporation is Safir & Kahn, 521 Fifth avenue, New York.

Merkin Heads Charities Drive in Paint Field

The paints, chemicals and allied industries division of the Federation of Jewish Philanthropies of New York will launch its campaign in support of the current $30,000,000 federation appeal at a dinner on November 29, 6:30 p. m., at the Hotel Commodore, Michael J. Merkin, divisional chairman has announced. Harry R. Hillman, of the Eagle Paint & Varnish Company, is serving as divisional treasurer.

Hercules Powder Names VanBeek to Purchasing Post

Andrew VanBeek, manager of the Hercules-operated Radford Ordnance Works in Virginia, has been appointed assistant director of purchases for Hercules Powder Company, William J. Austin, director of purchases, has announced. He will assume his new duties in Wilmington, Del., December 1.



"Today in Chemicals"

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Textile and Leather Chemicals

Although trading in tanstuffs lacked improvement during the week, tanners evidenced more interest in replacements for the first and second quarter of next year. Reports from producing centers indicated firm markets and little tendency on the part of sellers to shade asking prices. Offerings for shipment were generally maintained at current levels and lower bids in some instances were turned down. Higher producing costs and the shortage of labor were main factors in strengthening the markets.

A good movement of corn to processors' mills continued during the week and increased the production of dextrin and starch to some extent, as mills were operated at reduced levels. This also slightly improved deliveries against contracts, which were still far behind schedules. Potato starch was in urgent demand, with sales at ceilings noted for prompt and forward delivery. Production was reported sold well ahead.

Reduction of domestic scoured wool prices by 15c. and 16c. per pound was announced by the Department of Agriculture, effective November 27. This is equivalent to an average decline of 7c. per pound grease basis. It was also stated that the Government will continue to purchase 1945 wool, crop from growers at previously announced support prices.

The cotton export advisory board, established by the Secretary of Agriculture to help develop a program for the disposal of surplus United States cotton, will consist of eight representatives of the American cotton industry. Their formal acceptances to serve on the board have been announced by the department.

Chemicals

Alumina Acetate—Market remains steady, with demand moderate and mainly for next year delivery. Withdrawals against contracts have been curtailed owing to strikes. Prices were unchanged and firm.

Bichromates — Consumption continued to take production and, with supplies limited, makers allocated quantities for prompt requirements. Inquiry was keen for next year delivery and producers booked contracts at prevailing ceilings.

Potash Prussiate — Withdrawals against contracts were in good request. Demand for early next year requirements was fairly active. Market was firm at former levels.

Soda Acetate — While domestic demand was reported light and spotty, the call for export was keen and absorbed offerings of surplus materials. Quotations were maintained at current levels.

Soda Hydrosulph'te—Conditions continued steady. Consumers absorbed good sized quantities against former orders. Supplies were not heavy, but adequate to cover demand. An active inquiry was noted for 1946 requirements and contracts were placed at current levels.

Sulphonated Oils—An active demand was reported for prompt requirements. Supplies were limited and prices firm at former levels.

Sizing Materials

Albumen Egg—Moderate volume of sales were noted, mainly for small lots. Supplies were more liberal than for some time past. Prices were steady. Export inquiry was keen, and a fair volume of business was placed for shipment. Ceilings were increased 3c. per pound, effective December 1 and granular was quoted at $2.04 to $2.12 per pound barrels, according to quantity. Powdered was 5c. per pound higher.

Dextrin Corn — While production continued on a reduced basis, further improvement was noted during the week. Receipts of corn at processors mills kept up in good volume. Deliveries against contracts also showed moderate improvement, but the supply situation was still tight.

Egg Yolk—Tight supply conditions continued to feature this market. Inquiry was fairly active, but business was reported light, owing to scarcity of offerings. Ceilings were advanced 1c. per pound, effective December 1, to $1.07 to $1.13 per pound, in barrels, depending upon quantity. Shipments of dried eggs totaled 6,434,273 pounds during September, it was reported by the Department of Agriculture. Total shipped from January 1 through September this year was 12,388,997 pounds.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
303.0	303.0	300.5	283.2

For Current Prices see page 9.

Starch Corn — Production showed moderate improvement during the week. Corn receipts at mills were reported in good volume, though the grain was said to contain high moisture. Deliveries against contracts improved slightly. Consuming inquiry was active, with orders accepted, subject to delay in delivery. Visible corn supply increased 761,000 bushels for the week ended November 24, and totaled 6 129,000 bushels, compared with 12,764,000 bushels a year ago, according to the Chicago Board of Trade. Foreign exports of cornstarch amounted to 5,213,980 pounds during September and 87,737,352 pounds from January 1 through September 1945, according to the Department of Agriculture.

Starch Potato—An urgent demand was taking offerings for prompt and future delivery at prevailing levels. Production was sold well ahead with consumers in the market for additional commitments. Mills in Maine were reported operating at about 50 percent of capacity, because of the slow delivery of potatoes, while plants in Idaho were working full time.

Tapioca Flour—Lack of supplies continued to affect trading. Recent arrivals were delivered against outstanding contracts and were unavailable for resale. Offerings from Brazil have practically ceased as the production has been cleaned up.

Tanning Materials

Chestnut Extract — Market continued firm owing to scanty supplies. Consuming inquiry was keen and prices well maintained at ceilings. Withdrawals against former orders were fairly active.

Divi-Divi—Advices from primary centers indicated a strong market with offerings for shipment moderate and firmly held. Trading was slow, though tanners were showing more interest in early next year replacements.

Hematine—While new business was light, the market was steady and unchanged. Inquiry for next year's delivery was keener. Quotations were well held at ceilings.

Mangrove Bark—Although trading was quiet the market was reported firm and reflected the strength at producing centers. Tanners as yet showed little interest in replacements. Quotations for shipments were firm.

Myrobalans — Reports from India stated that the crop would be short. Labor also was reported scarce, which would affect the production. Offerings for shipment were limited and the undertone of the market was firmer. Arrivals of whole totaled 410 bags and 930 bags of crushed during the week for delivery against previous contracts.

Quebracho Extract—Firm conditions continued to feature this market. While imports have been heavy of late, replenishing tanners' inventories for prompt and nearby requirements, an active inquiry was noted for delivery next year and contracts have been booked at ceilings for 1946 needs. Arrivals totaled 10,190 bags for delivery on previous contracts.

Wattle Bark—Tanners showed a fair inquiry, but were not disposed to place contracts as yet. Bark was offered at unchanged prices for December. Interest in extract was keener, and improved business was looked for after the turn of the year.

For Late Market Developments, See Page 4

ALBUMENS

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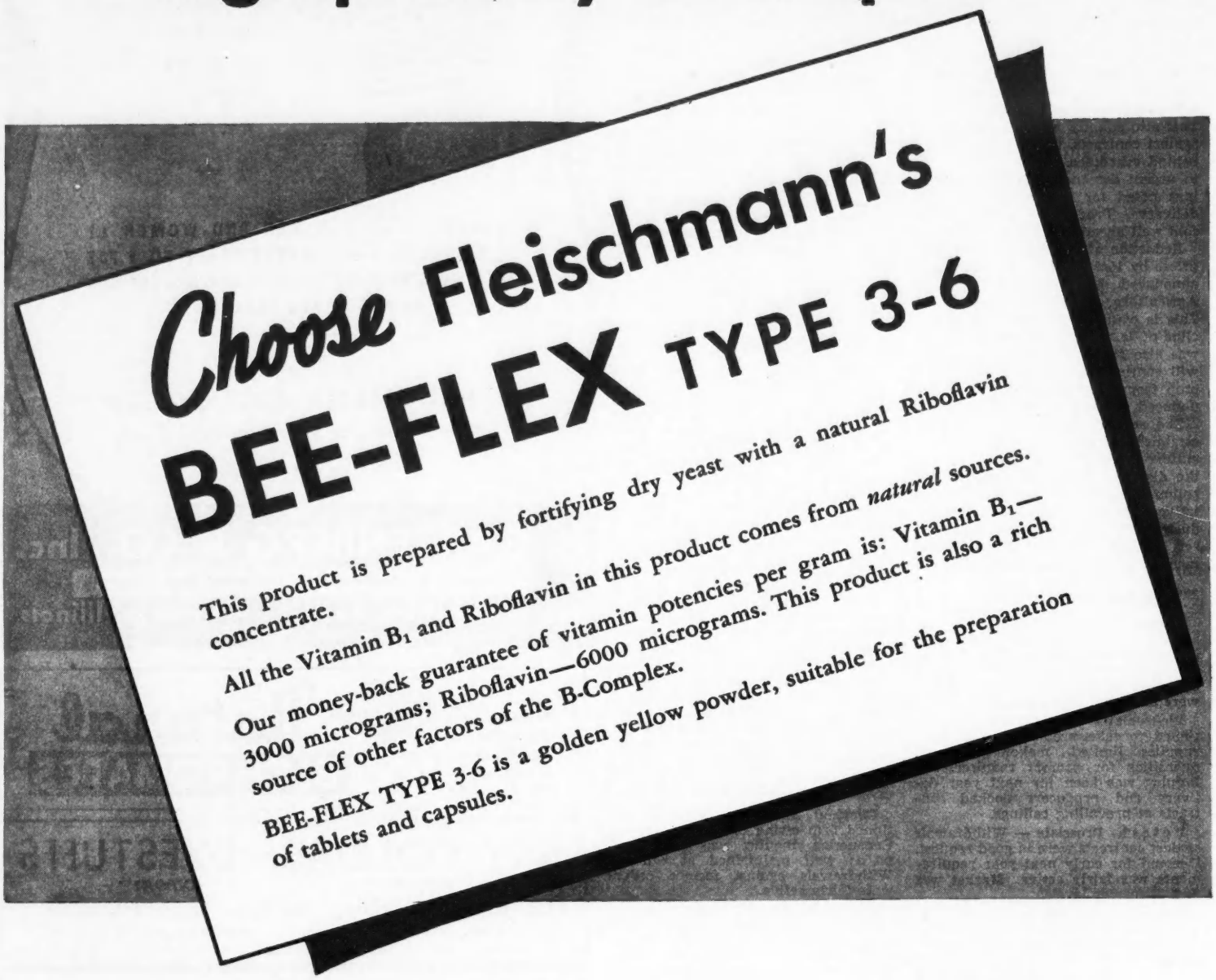
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Contains the B-complex factors of both. Supplies Thiamin 200 I. U. per gram, Riboflavin 200 mcg. per gram, and Niacin 800 mcg. per gram.

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Drugs and Fine Chemicals

Price events in the market for drugs and fine chemicals were enlivened last week when the Office of Price Administration authorized a 3½c. per gallon advance in the basic ceiling prices on industrial ethyl alcohol. Also, menthol was raised sharply following absorption of distressed stocks in Brazil. Sharply lower prices were established on diethylamine, monoethylamine, and triethylamine, while all quotations were withdrawn by the maker of amylene and diamylamine. Quicksilver sold at a slight advance as stocks decreased here and continued scarce under the decreasing production at the Pacific coast mines.

The OPA authority to advance industrial alcohol prices became effective November 28 in territory East of the Rockies. No change was announced in the price schedules prevailing on the West coast. OPA declared that its study of higher conversion costs warranted a price advance for the producers to compensate for higher costs said to be the result of exceptional under-capacity operations. Liquidation of the Reconstruction Finance Corporation stockpile of 80,000,000 gallons through established producers contributed to the higher costs. Present plans contemplate that for every 60 gallons of new production sold, 40 gallons shall be sold from the RFC stock.

Menthol pressed less in the Brazilian market and prices there have risen and the rise reflected locally created a stronger market. Low prices obtainable in Brazil are expected to curtail the size of the 1946 crop of new menthol, a fact contributing to the development of a bullish sentiment as regarded prices. Not a great deal of large business was done on spot but the day-to-day call for small lots was good. Large buyers were disposed to hold aloof pending further developments in the primary market situation. Also, the question of the disposition of the Japanese menthol industry by General McArthur, plus the possibilities of Chinese menthol reappearing as a world market influence, was bandied about among the local menthol operators.

Acetanilide—Production is engaged to the end of the year and at the moment producers show little tendency to accept orders from new buyers of goods to be delivered early in 1946. No surplus is being carried over and a strong position is expected to continue.

Acid, Ascorbic—Deliveries at shipside in September for export to foreign destinations totaled 36,376 pounds, according to the Production and Marketing Division, U. S. Department of Agriculture. Also, 4,508,000 tablets were delivered to UNNRA.

Acid, Tartaric—Resale material is not moving in large quantities. Some accumulation of supplies is noted and prices are shading those of the domestic producers. Apparently, the foreign manufacturer of this acid has a price-cost advantage over the domestic industry.

Alcohol — Manufacturers' ceiling prices on industrial ethyl alcohol produced East of the Rockies have been raised 3½c. per gallon for the basic formula, with slightly smaller increases being allowed on other formulas, according to an order of the Office of Price Administration, effective November 28. The rise was authorized in amendment 14 to Maximum Price Regulation 28. No change was announced on West Coast prices.

A rise of 2c. in East Coast price ceilings had been authorized on all formulas on October 19. All of that 2c. rise had been paid by the alcohol manufacturers to the Reconstruction Finance Corporation in the form of higher prices for molasses. Manufacturers' margins were not changed at that time. Studies on higher conversion costs now completed by OPA—costs which were largely due to exceptional under-capacity operations, led OPA to increase price ceilings so that manufacturers will have margins equal to those in effect October 1 to 15, 1941. The base ceiling is now 53½c. per gallon on the basic formula SD2B.

OPA states that the higher costs are largely attributable to the liquidation of the RFC stockpile of some 80,000,000 gallons of industrial ethyl alcohol through established manufacturers. Present plans contemplate the sale of 40 gallons of RFC alcohol by each manufacturer for every 60 gallons of his own new production.

Allocations of ethyl alcohol after December 1 will be made only to primary suppliers for industrial uses, according to the Civilian Production Administration. Buyers need no longer file either applications for authorizations to purchase, or use certificates. Only primary suppliers will make allocation application to CPA. Primary suppliers are any person engaged in producing ethyl alcohol under an industrial alcohol permit issued by the Bureau of Internal Revenue, any importer, the RFA, of any other government agency.

Aloe—Firm in all primary markets and not offered regularly for immediate shipment. Prices continued high. Little competition prevailed on the spot last week.

Aloin—The strength that has grown in raw material prices and advances has not been reflected in any change in quotations on aloin but the article was definitely firmer with some upward tendency.

Amylene—The producer of this commodity has withdrawn all quotations.

Berberine—A return of firm prices for prompt delivery material has not come yet despite some former indications that producers would be able to restore supplies within a fair length of time.

Castor Oil—Arrivals at this port were 2,545,000 pounds last week. The total since January 1 stands at 247,217,350 pounds, which compares with 242,520,740 arrived during the corresponding period in 1944. Oil was in excellent demand.

Diamylamine—The producer of this material has withdrawn all quotations.

Diethylamine—Quotations have been reduced 32c. per pound, setting tanks at 40c. per pound; drums, carlots, 44c.; less than carlots, 46c.

Fishliver Oils—In September, deliveries at shipside for export to foreign parts amounted to 1,511,631 million units of vitamin A, and 51,257 million units of vitamin A and D oils, according to a report by the Production and Marketing Administration of the Department of Agriculture.

Glycerin—The market is exceptionally tight so far as new business is concerned. Actual and problematical production of the refiners is well engaged ahead and any increase will depend on two factors: First, on a greater availability of soapers, oils and fats, and revivification of soap making Expansion of soap exports would help and the September report of the Production and Marketing Administration of the Department of Agriculture says that in September, 1,092,898 pounds of soap were delivered at shipside for export to foreign parts. The total deliveries since January 1 reached 11,837,563 pounds. The allocations made to UNNRA in September totaled 12,958,952 pounds, bringing a total of 26,236,662 pounds since January 1 last. Other dispositions to commercial outlets and transfers to other Government agencies totaled 209,701 pounds

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Alcohol, denatured, CD14, 2.8c. per gal.
SD1, 2.2c. per gal.
SD2B, 3.5c. per gal.
SD23H, 2.5c. per gal.
SD29-1, 3.5c. per gal.
Special solvent, 3c. per gal.
ethyl tax paid, 3½c. per gal.
Glycerin, c.p., 1c. per lb.
dynamite, 1c. per lb.
high gravity, 1¼c. per lb.
Menthol, 75c. per lb.
Quicksilver, $1 per flask

Prices Reduced

Diethylamine, 32c. per gal.
Monoethylamine, 13c. per lb.
Triethylamine, 21c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
207.6	205.3	205.2	230.0

For Current Prices see page 9.

CHEMO PURO MFG. CORP. NEW YORK U.S.A. "FOR EXPORT"

OPD—12-3-1945 53

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ATLAS POWDER COMPANY
Industrial Chemicals Dept. Wilmington, Delaware

in September and have reached a total of 2,602,035 pounds since the first of the year. That about washes up the soap statistics, all of which tie-in with the present position of short glycerin supplies with which to meet good demand. Quotations vary some, according to refiner, and stand as follows:—c.p., tanks, 18c. per pound; dynamite, tanks, 17¼c. to 18c.; high gravity, tanks, 17¼c. to 18c.

Menthol—The larger of local dealers in Brazilian menthol seem to hold the spot market at $4.75 to $5 per pound. Some reliable quarters offer the opinion that it is between $4.25 and $4.40, while brokers talk about a market between $4.60 and $4.75, with emphasis on the latter figure. New crop mint is being harvested in Brazil, and the fact that prices now are at least 50 percent below what they were a year ago is believed to be a deterring influence on the production of menthol which will reach the market around March, 1946. Curtailment in 1946 seems inevitable. Meanwhile, informed local importers believe that all, or almost all, distressed menthol has been taken from the Brazilian market with consequent strengthening and advance in prices to a level justifying a spot price of $4.75. Of course, nothing can yet be said here regarding what happens to the Japanese menthol industry which, prewar, was owned by top rank and very strong Japanese commercial companies.

Milk Powder—According to the Production and Marketing Administration, Department of Agriculture, September deliveries at shipside for export to foreign parts were:—Skimmed, 8,262,065 pounds; whole, 2,734,131 pounds. Also, allocations to UNNRA totaled 12,493,113 pounds of skimmed milk powder.

Monoethylamine—Prices have been reduced 13c. per pound. Tanks now stand at 15c. per pound; drums, carlots, 17c.; less than carlots, 18c.

Quicksilver — The market tends toward somewhat higher prices. Surplus stocks on spot were at low ebb and reserves on the Pacific Coast were not superior in size. And the season of the year approaches when west coast output usually is curtailed by weather conditions. During the past week, 200 flasks of metal arrived from Tampico, Mex.

Penicillin—According to a declaration made by the Civilian Production Administration, orders from American civilian hospitals, United States Veterans Hospitals, and the United States Public Health Service must be treated by suppliers as though the orders bear CC preference ratings. Distributors ordering for hospital use will receive, upon certification, the same preferential treatment. The action by CPA was effected by Direction 4 to conservation order M-300. Rising foreign demand has made it necessary to safeguard home, hospital and medicinal requirements, and CPA says supplies are adequate to meet all essential requirements in this country. CPA is working with the Office of International Trade Operations, Department of Commerce, to restore export controls. Production data provided by CPA are:—

Penicillin Production

	Units
Third quarter, actual—	
July	688,980,000,000
August	636,510,000,000
September	586,370,000,000
Fourth quarter, estimated—	
October	612,470,000,000
November	657,900,000,000
December	698,100,000,000

Quinine—News from the Netherlands East Indies was all bad last week. Dispatches reported rioting and bloodshed at Bandoeng, center of quinine production in Java. That must mean that the main cinchona cultivation area, known as Praenger-Regentschappen, is involved in the native uprisings of the Indonesians. Meanwhile, the world waits for quinine—and the heed must be great in many parts of Europe alone.

Tenn. Eastman Plans Production Expansion

Tennessee Eastman Corporation, Kingsport, Tenn., plans an expenditure of more than $5,000,000 during each of the years, 1946 and 1947 in order to expand production. James C. White, president of Tennessee Eastman, states that operation of three buildings is scheduled to begin by July 1, 1946. One of these, a six-story steel, brick and concrete building, 200 feet square, will produce cellulose esters. Another steel and concrete building, two stories high and 150 by 500 feet, will produce acetate yarn, and a third building of the same size will produce acetate staple.

I.G. Plant Destroyed

The I. G. Farben control plant in Ebenhausen, Germany, was blown up last week by the Allies in their demolition drive on Germany's war industries. In a single explosion, the plant's two major units, a five-story nitrate unit, and a power plant, were demolished.

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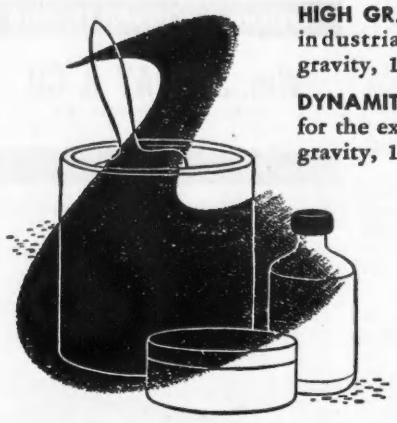

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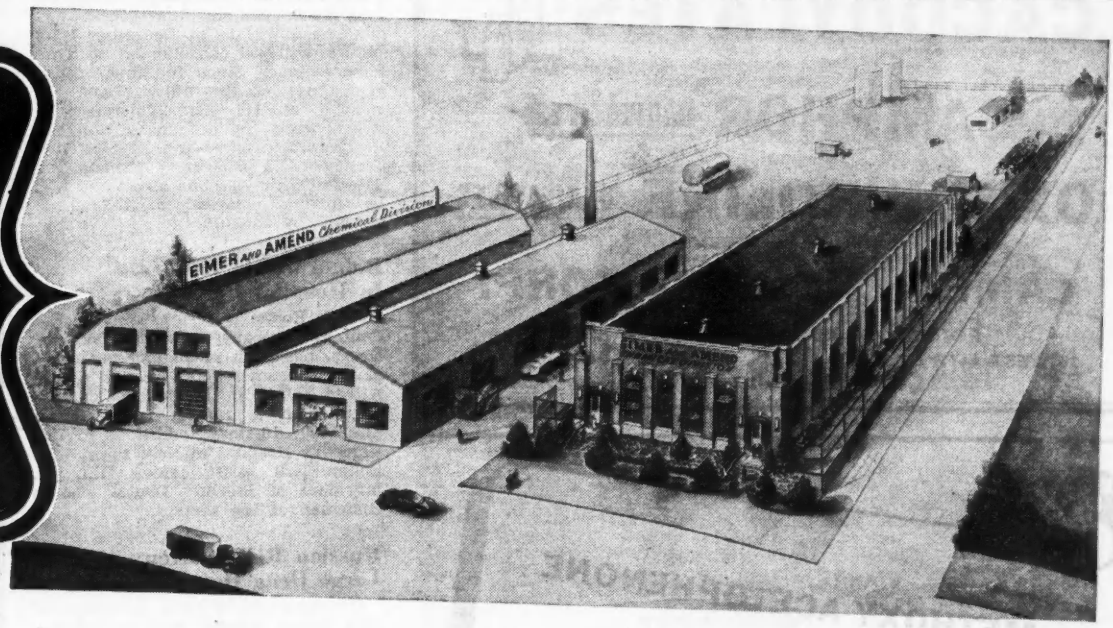

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Made Purchasing Agent

William J. Heckman has been made general purchasing agent for William R. Warner & Co., pharmaceutical manufacturer, New York.

Trade Briefs

Merle Norman Cosmetics, Inc., Los Angeles, Cal., has been formed with a capital of $500,000.

Spence Electroplating Company has been incorporated in Los Angeles, with a capial of $50,000. The new corporation is represented by John A. Cronin, 629 Citizens National building, Los Angeles, Calif.

Proco Products Company, Buffalo, New York, has been formed to deal in disinfecting, polishing, bleaching, finishing compounds. Attorney for the corporation is A. Irving Milch, 336 Brisbane building, Buffalo, N. Y.

Captain Vincent J. Hughes, son of V. J. Hughes, owner of the Hughes Chemical Supply Company, Baltimore, Md., has joined the company in a sales capacity. Capt. Hughes studied engineering at the University of Maryland.

Powell & Co. to Consolidate Offices in One Park Ave.

John Powell & Co., basic materials for insecticide manufacturers, has announced that as of December 1 its offices will be consolidated at One Park avenue. Since the first of the year, part of the offices have remained at 114 East Thirty-second street, while the accounting and executive offices have been at One Park avenue. The laboratory remains at 114 East Thirty-second street and will be further enlarged in the space vacated by the offices.

Bohan to Aid Hill In Hospital Drive

J. D. Bohan, vice-president of the Centaur Company division of Sterling Drugs, has been made vice-chairman of the consumer goods section of the Alfred E. Smith Memorial Committee, which is raising funds for a $3,000,000 16-story addition to St. Vincent's Hospital in New Lork. Mr. Bohan will assist James Hill, jr., president of Sterling Drugs, who is chairman of the section.

Russian Relief Given Large Drug Donations

Contributions of large quantities of such vitally needed drugs as insulin, sulphapyradine, vitamin tablets and atabrine have already been made to the Russian people by manufacturers, it was announced by Dr. William Jay Schieffelin, chairman of the Drugs and Chemical Division of Russian Relief, at a meeting of the division's executive board, held recently at the Yale Club, New York.

Atlas Powder Promotes Frome

Weston G. Frome has been appointed general manager of the explosives department of Atlas Powder Corporation, Wilmington, succeeding F. S. Pollock, vice-president, who has been elected a member of the executive committee.

A. Blesi Retires

A. Blesi, manager of the Peter-Neat division of McKesson & Robbins, Louisville, Ky., has retired. He served forty-eight years with the company and its predecessors.

Abbey in McK. &R. Post

Edward H. Abbey, has been appointed manager of the Peoria Division of McKessen & Robbins, Inc., New York. Mr. Abbey has been connected with McKesson & Robbins since 1934.

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2 Provides natural golden yellow color *and* Vitamin A activity.

3 Has no fishy taste or smell—derived from vegetable sources.

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5 Will gain favor for your products with housewives alert to nutritional values.

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DIVISION WYETH INCORPORATED

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GOLDEN YELLOW CAROTENE . . The Vitamin A Nature Supplies In Fruits and Vegetables

Current Prices

—Continued from page 31

Yellow, Dutch, pink, bbls.	lb.	.09 -	.11
canary, bbls., same basis as chrome	lb.	1.87 -	—
primrose, bbls., same basis	lb.	1.75 -	—
Mercury oxide, bbls., 1,000 lbs.	lb.	2.43 -	—
smaller lots	lb.	2.45 -	—
Ocher, American, golden, bbls., works	lb.	.04½-	.06¾
yellow, bbls., works	lb.	.02 -	.02¾
French type, bbls., c.l.	lb.	.0845-	—
l.c.l.	lb.	.0865-	—
Oxide, iron, nat., bbls., c.l., Bethlehem, Easton, Pa.	lb.	.04½-	—
l.c.l., same basis	lb.	.05 -	—
synth., bbls., c.l., works	lb.	.0685-	—
l.c.l., works	lb.	.071 -	—
Persian orange (see O).			
Zinc, bbls., same basis as chrome	lb.	.16 -	—
Navy spec. type, bbls., contract	lb.	.16 -	—
Yellow dock root, bls.	lb.	.35 -	.36
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.31 -	.35
Yohimbine hydrochloride, vls.	oz.	3.00 -	3.75

Z

Zein, bgs., 1,000 lbs., works	lb.	.25 -	—
smaller lots, works	lb.	.30 -	—
Zinc acetate, tech., bbls., dlvd.	lb.	.16 -	.17
USP, bbls.	lb.	.26 -	.27
kgs.	lb.	.29 -	—
Arsenite,[4] bgs., c.l., frt. alld. E. of Rockies	lb.	.11¾-	.13½
l.c.l. same basis	lb.	12¾-	.13¾
Borate, bgs., c.l.	lb.	.12 -	—
Carbonate, tech., rubber makers' grade, bbls., works	lb.	.08¾-	.10¾
USP, precip., powd., bbls.	lb.	.35 -	—
dms.	lb.	.40 -	—
kgs.	lb.	.37 -	—
Chloride, tech., fused, dms., c.l., works	100 lbs.	5.00 -	—
l.c.l., works	100 lbs.	5.35 -	—
gran., dms., c.l., works,	100 lbs.	5.75 -	—
l.c.l., works	100 lbs.	6.50 -	—
solution, 50% dms., c.l., works	lb.	.0315-	—
l.c.l., works	lb.	.04¼-	.04¼
tanks, works	lb.	.0250-	—
USP, dms.	lb.	.30 -	.31
jars	lb.	.35 -	.36
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.23 -	.27
Dust,[4] bbls., c.l., dlvd.	lb.	.1035-	—
l.c.l., works	lb.	.1135-	—
Fluoride, bbls.	lb.	.25 -	.30
Hydrosulphite, dms., works	lb.	.16 -	—
Iodide, NF, bots.	lb.	4.68 -	4.75
jars	lb.	4.40 -	—
Laurate, bbls.	lb.	.82 -	.83
Metal,[1] (quotations in Protective Coatings market).			
Naphthenate, 8%-10% Zn, dms.	lb.	.16 -	.19¼
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
leaded, 5%, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd.	lb.	.07¾-	—
85% or more, bgs., c.l., dlvd.	lb.	.07 -	—
l.c.l., dlvd.	lb	.07¼-	
French process, com'l lead free, bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
green seal, bgs., c.l., dlvd.	lb.	.09 -	—
l.c.l., dlvd.	lb.	.09¼-	—
red seal, bgs., c.l., dlvd.	lb.	.08½-	—
l.c.l., dlvd.	lb.	.08¾-	—
white seal, bgs., c.l., dlvd	lb.	.09½-	—
l.c.l., dlvd.	lb.	.09¾-	—
USP, ctns., c.l.	lb.	.10½-	—
l.c.l.	lb.	.10¾	—
Zinc oxide Pac. Coast prices ½c. higher bbl. prices ¼c. higher than bgs.			
Resinate,[4] fused, 1% Zn, lump, dms.	lb.	.11 -	.12
precipitated, 8.40% to 9% Zn, powd., dms.	lb.	.14½-	.15
Silicofluoride, bbls.	lb.	.15 -	.16
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 -	
smaller lots, same basis	lb.	.30 -	.31
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40 -	—
l.c.l., same basis	100 lbs	4.15 -	—
flake, bgs., c.l., same basis.	100 lbs.	3.80 -	—
l.c.l., same basis	100 lbs	4.55 -	—
powd., bgs., c.l., same basis.	100 lbs.	5.35 -	—
l.c.l., same basis	100 lbs.	6.10 -	—
Zinc sulphate, in bbls. 25c higher			
Sulphide,[1,4] pure, bgs., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd.	lb.	.08½-	—
bbls., c.l., dlvd.	lb.	.08½-	—
l.c.l., dlvd	lb.	.08¾-	—
Barium pigment,[1,4] bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd	lb.	.0585-	—
Calcium pigment,[1,4] bgs., c.l., dlvd.	lb.	.0500-	—
l.c.l., dlvd.	lb	.0585-	—
Fluorescent pigment,[1,4] works, frt. alld.	lb.	.90 -	1.00
Magnesium pigment,[2,4] bgs., c.l., dlvd.	lb.	.05¾-	—
l.c.l., dlvd.	lb.	.06 -	—
Zinc sulphide and pigments, prices ¼c. higher; bbl. prices ¼c. higher than bgs.		Pac. coast	
Sulphocarbolate, NF, bbls., dms.	lb.	.28 -	.30
Tallate, 5% Zn, dms.	lb.	.09¾-	—
Yellow (see Yellow, zinc).			
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.65 -	—
l.c.l., works	100 lbs.	6.70 -	—
Zinc-cadmium sulphide, fluorescent, ctns., works, frt. alld.	lb.	2.00 -	2.50
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 -	—
l.c.l., dlvd. E. of Rockies,	lb	.06¼-	—
Pac. cst.	lb.	.06½-	—
ex whse., Pac. cst.	lb.	.07 -	—
Zirconium hydride, cns., works,	lb.	7.00 -	8.00
Nitrate, kgs., works	lb.	3.00 -	4.00
Oxide, crude, 70-75%, grd., bbls., works	ton.	75.00 -	100.00
ex whse., Pac. cst.	lb.	.07 -	
white, 98%, grd., kgs., works	lb.	1.80 -	2.00

McCormick & Co. Names Assistant Sales Managers

McCormick & Co., insecticide manufacturer, Baltimore, has named J. Clark Barrett and Alfred W. Ireland as assistant sales managers. Mr. Barrett was a salesman for the organization in the Ohio territory before his enlistment in the Army in 1940, and held the rank of lieutenant at the time of his discharge from the army. Mr. Ireland is now serving as a colonel in the army.

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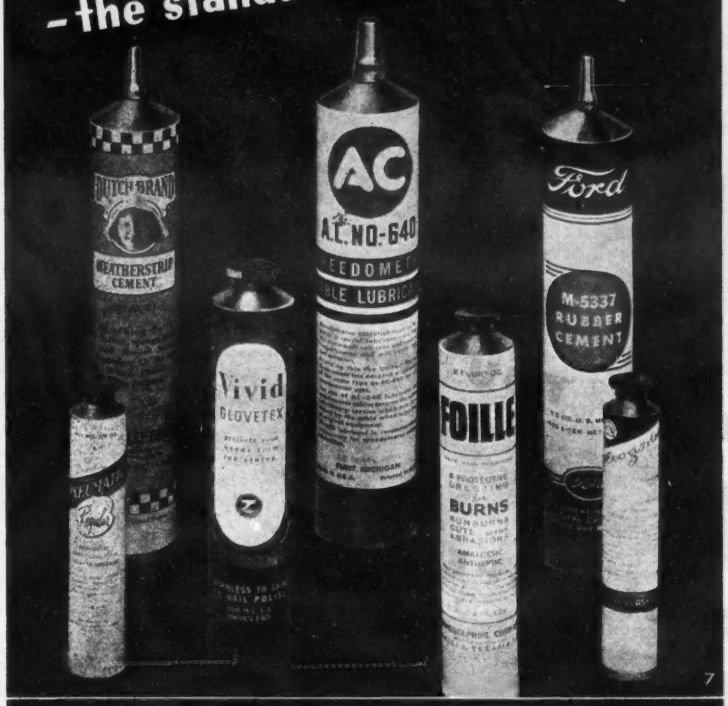

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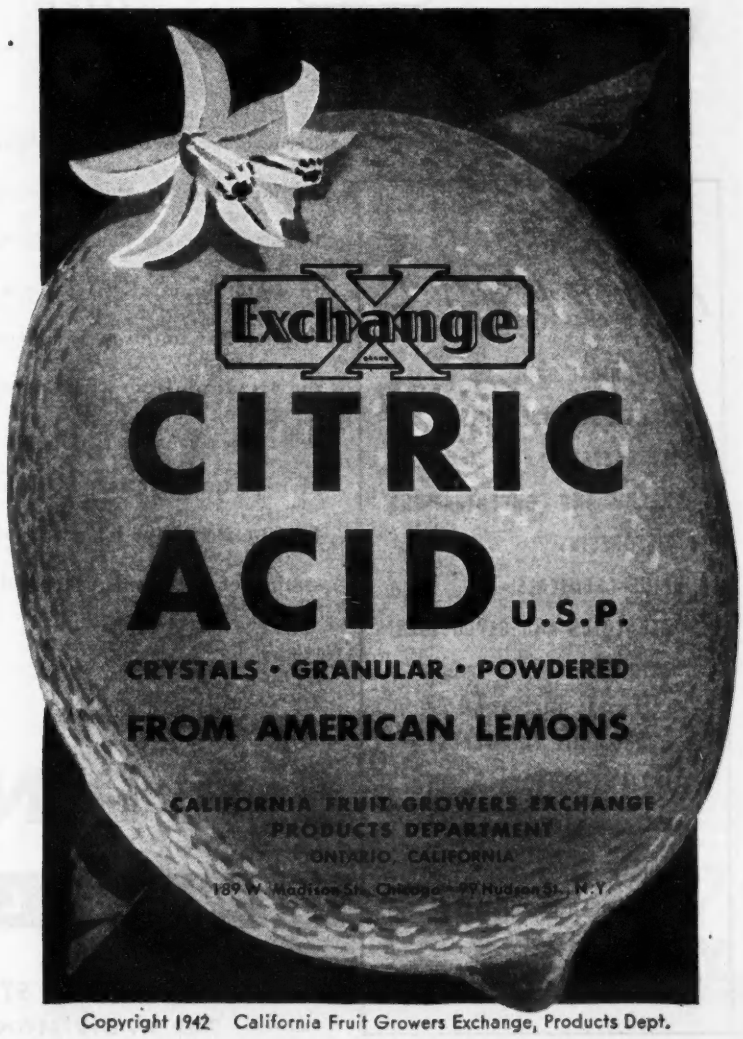

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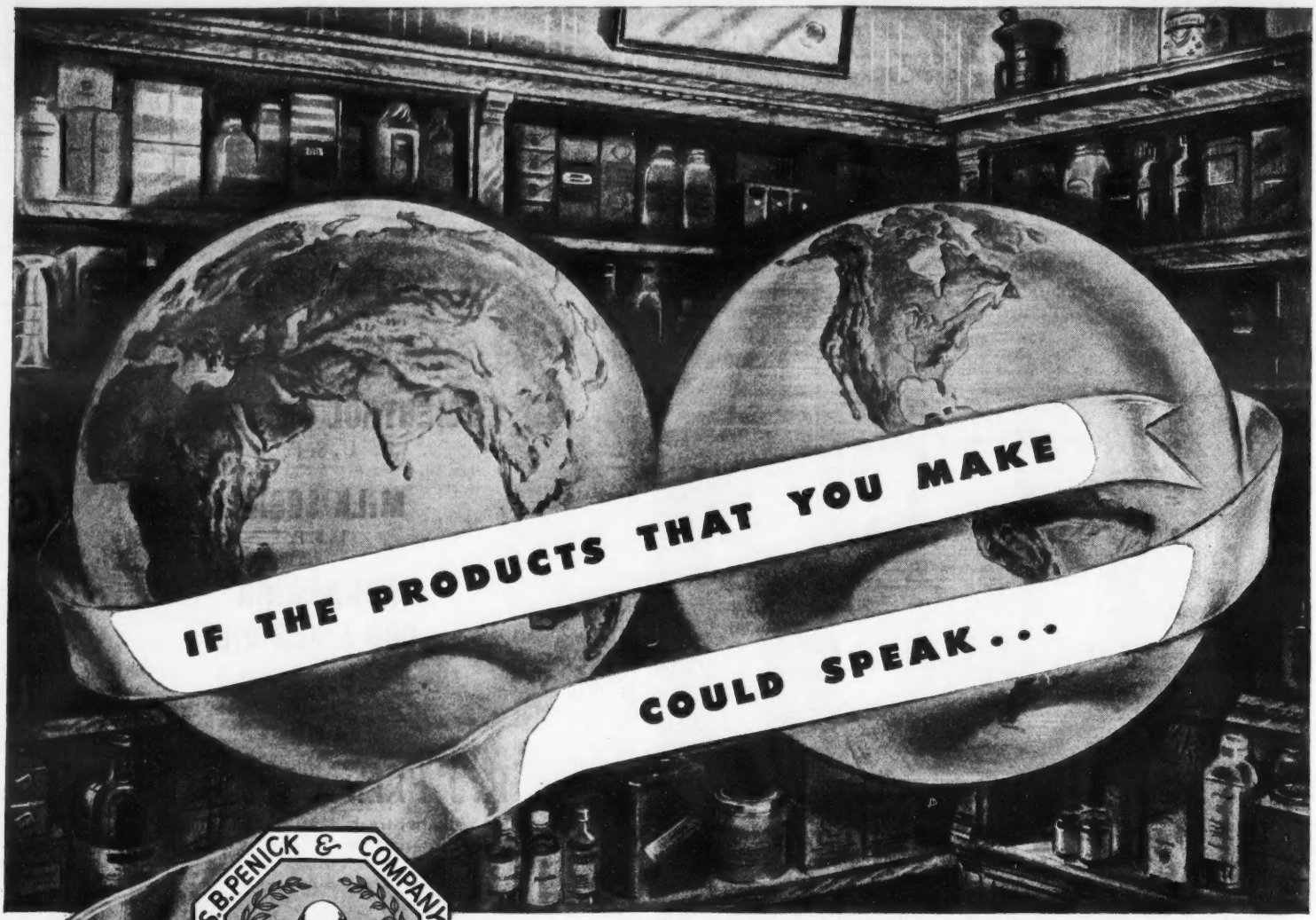

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Botanical Drugs, Spices, Gums

Considering that this is the preholiday season when demand for botanical merchandise usually decreases—oftentimes in company with price recessions among dealers—the firmness of botanical values in the face of the considerably lessened demand for spot deliveries was something of a feature last week. Orders for medicinal botanicals were spotty while that for condimentals brought no cheers from the merchandisers thereof. Despite the fact that activity by buyers merely simmered, the market retained a basically firm undertone.

Of late, each week has brought its surprise. A week ago it was mandrake root that burst into price activity because frost froze the roots and cut the crop at a critical time. Last week it was lobelia herb that burgeoned into a sensationally high price position because scarcity has reduced to almost nil the manufacturing consumers' ability to order herb and get it. By comparison, the rise in gentian root was a gentle affair, but behind that advance were conditions that may well encourage more vigorous price advances.

Of interest to cassia addicts and star anise devotees was the report that arrangements have been made for the importation of broken China cassia and Canton roll cassia, as well as some star anise. First shipments were expected in December and/or January at prices above the prewar level, because of inflation in China, but still prevailing at levels which will permit China cassia to undersell Ceylon material on spot.

Although it was not laid to the American GI's liking for hot dogs, the purchase of some seventy tons of Montana grown yellow mustard seed for export to France was a feature worth noting. Since France and Sweden had bought before, and since goods have been sold to Italy, the situation in spot mustard seed was hot indeed.

Balsams

Copaiba—The market continued routine because of a general lack of supplies. Limited quantities of South American balsam were in hand but Para appeared to have been cleared from this market.

Fir—Firm undertones ruled together with moderate supplies and rather conservative demand from manufacturing consumers.

Barks

Buckthorn—Mighty little material is available in most quarters and in some ways the market might be called nominal. Major replenishment of stocks has yet to take place.

Cocillana—Much of the supply was engaged for Winter consumption some time back and the current spot market offered little prompt delivery material last week. Most sellers report nothing in hand.

Orange Peel—Some West Indian peel arrived last week, totalling 334 bags. The market was not very active but prices were firm.

Soap—The primary market has yet to arrange for the prompt despatch of new stocks to this country, and the strong market position developed when shipping embargo was applied at the source continued in effect.

Beans

Vanilla—Exports from Tahiti in the second quarter of 1945 totaled 106,658 pounds, of which the United States took 85,221 pounds and Australia was the next best customer, taking 15,928 pounds. The carryover of about 40 tons has been shipped. The 1945 crop is estimated at 130 tons which, added to the carryover of 40 tons, makes a total of about 170 tons available for 1945 export business.

Berries

Jun'per—Prices held firm and fair demand for top qualities was reported in full support of sellers' views on the best material available. Little competition prevailed locally.

Raspberries—The cost of presently available stocks ran very high this year and the tendency is toward still higher levels now that most available supplies have been taken up at the source and local dealers find their moderately-sized holdings subject to steady, if not always large, shrinkage.

Flowers

Arnica—Available only in quantities rather small in size and not likely to be replaced substantially until such time as European shippers once more can start goods to this market.

Chamomile—Exceptionally firm in undertone. Some suggest that Europe will continue to take considerable quantities of Hungarian type flowers grown in Argentina, but dealers here expect that another Summer will find Europe a producer and exporter—as in the past. In fact, little Belgium has already supplied Roman flowers that sell here at $1.75 to $1.85 per pound.

Saffron—Mexican saffron to the tune of two bags arrived here last week and the article remained in very low supply. Spanish flowers continued to be quoted at $35 per pound and to sell, according to report, around $37 to $40.

Gums

Arabic—Local market prices proved to be steady. Demand was fair for moderate quantities and some forward delivery contracts counted much in the creation of a respectable total volume of transactions. Prices prevailing in the primary market were well maintained and European buying at the source kept the undertone very firm.

Camphor—Although it is probably not beyond the region of "talk," still there are those who at least are beginning to think in terms of imported camphor and are even now looking forward to the reappearnce of Far Eastern camphor on the world markets. Formosa—probably now called Taiwan, as it was prior to the Japanese theft of the island from China—is occupied in part by Chinese troops and some with Chinese connection have begun to sound the possibilities of production being resumed there and exports restored. Meanwhile, the domestic consumers of camphor have a strong anchor to windward—the domestic production of synthetic camphor—and it seems improbable that the plastic makers here ever again will be at the mercy of the old camphor monopoly of the Far East.

Miscellaneous

Balm of Gilead—Some are likely to go without this seasonable item since local sellers were able to secure only small quantities during the recent collection season Prices continued strong and high.

Cantharides—Though the import manifest said nothing about the kind of dried flies that reached here from Mexico last week, it could be that

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Gentian root, whole, 2c. per lb.
ground, 2c. per lb.
powdered, 2c. per lb.
Lobelia herb, 33c. per lb.

Other Articles

Anise, Mexican, ½c. per lb.
Clove, Madagascar, futures, ½c. per lb.
Coriander seed, Argentina, ½c. per lb.
Cumin seed, Syrian, ½c. per lb.
Mustard seed, Washington, yellow, 1½c. per lb.
Pimento, Jamaica, ½c. per lb.

Prices Reduced

Drugs

Rose buds, 2c. per lb.

Other Articles

Caraway seed, Canadian, 1c. per lb.
Dutch, futures, 1c. per lb.
Celery seed, Indian, ½c. per lb.
Laurel leaves, Portuguese, ½c. per lb.
Poppy seed, Dutch, futures, 1c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
252.9	250.4	247.0	242.6

For Current Prices see page 9.

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medicos who still have a regard for flies that blister might view the arrival from Mexico as breaking the drought that had existed for a long time in Chinese and Russian cantharides.

Ergot—Those who buy ergot may learn something from the report that a case said to contain ergotine had arrived here from Bombay, India. The ergot market remained firm in price but was inactive as to demand.

Roots

Blood—Demand was seasonally active but buyers found it difficult to secure more than limited quantities on any order. Dealers' reserves were probably the lowest for this time of year.

Gentian—Reports indicated that values were becoming firmer and that major buying of primary market replacements might result in local quotations assuming further activity and possibly reaching somewhat higher levels than whole at 36c. to 38c. per pound.

Jalap—Stocks were short enough on spot to make an arrival of an even 7 bags from Tampico, Mex., a welcome event for the importer.

Mandrake—Definitely strong and tending higher. Dealers were short of prompt delivery goods and practically nothing was available in the hands of large dealers in the primary market. It seemed likely that 33c. to 35c. per pound was close to being a nominal quotation.

Sarsaparilla—Mexican root arrived here last week in the amount of 53 bales from Tampico. It came to a market low in supply and subject to a waiting list of manufacturing consumers.

Scammony—Mexico has resumed exporting this root and an arrival of 114 bags from Tampico was noted last week.

Senega—Prices held very firm here and were strong at the source from which very few offers were received, or had been received for some time past. Some wonder if export business in the future will be done mainly direct between Canada and foreign countries, New York operators being skipped.

Valerian—If not a great deal of Belgian root was available last week, the supply of India root was increased by the arrival of 256 bags from Bombay. And the price for that article remained firm on spot since the cost in India had shown no decrease when the jag of root was purchased months ago.

Herbs and Leaves

Belladonna—Very firm on spot. The supply was reported to be not unduly large last week and for the most part it was held in strong quarters. The next substantial shift in the market position would seem to depend on if and when Europe again begins to ship to this country.

Damiana—Very firm and under supplied in the local market. The limited amount of goods that recently came to the market is not likely to be followed by other and more substantial shipments.

Laurel—Portuguese material was a small fraction lower at 14c. to 15c. per pound.

Senna—An odd lot of extremely fine powdered senna was alleged to be available around 9c. per pound, which was far below the regular price of the millers. Prices in India remained high and strong. The spot was entirely sympathetic to conditions in the primary market.

Sweet Basil—A limited quantity of material turned up on spot at $1.20 to $1.30 per pound. On the Pacific coast, 90c. was quoted recently.

Seeds

Anise—Prices on Mexican seed continued to rise, closing the week at 13½c. to 33½c. per pound even though 1,240 bags reached here from Tampico. Some Chinese star anise is expected to be shipped in December and/or January.

Caraway—Canadian seed was down to 69c. to 70c. per pound and Dutch seed in future arrival position was lower at 69c. to 70c.

Cardamom—Cables revealed a very firm market at the source and a lack of substantial offerings for early despatch.

Celery—Arrivals from Bombay, India, totaled 418 bags last week. Spot prices were fractionally lower at 21c. to 21½c. per pound.

Coriander—South American seed

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Here is how the Roman poet told the legend in Book I of his Art of Love, two years Before Christ.

And that is why today a tree
Within the bark she lies close pressed;
Her tears ooze gently forth and we
Of unguents find them quite the best;
And now the lady's name they bear
And when we buy, we ask for myrrh.
Ars Amatoria—Ovid

WAREHOUSE AND MILLS
JERSEY CITY NEW JERSEY

CRUDE BOTANICAL DRUGS
TRADE From Forty Nations MARK

was offered at 10c. to 10½c. per pound for future arrival.

Cumin—Surian seed advanced to 39c. to 40c. per pound, while future arrivals from India were priced at 34c. to 35c.

Dill—Suppliers of this seed enjoyed excellent business when sales outlets turned to dill after Dutch and Danish caraway seed disappeared from the market. And with Holland and Denmark showing a disposition to resume caraway exports, sellers of dill begin to wonder about the future of their trade.

Mustard—France bought a number of tone of Montana yellow. Denmark appears as a possible shipper to this country. Recently, Sweden bought, and reports last week said she wanted more. No Montana yellow was available. Washington yellow was up to 24½c. to 25c.

Poppy—Dutch seed in future arrival position was reduced to the basis of 39c. to 40c. per pound.

Spices

Cassia—Arrangements for importation of Chinese cassia were reported completed last week and first shipments were expected in December and/or January. The negotiations involved broken cassia and Canton rolls. Inflation has brought high prices in China but it was said last week that Ghinese cassia when on spot will sell below Ceylon material.

Clove — Madagascar futures were higher at 16½c. to 17c. per pound.

Ginger — Unbleached Cochin was shaded to 16c. to 16½c. per pound.

Paprika—During the past week 600 bags of this pepper arrived here from Chile.

Pimento—Prices for this produce of Jamaica continued to teeter and this week values poised at the higher level of 23c. to 23½c.

Lee General Consultant To du Pont Engineers

Maurice du Pont Lee, manager of the rayon technical division since 1932 and a pioneer in the development of du Pont's interests in dyes and synthetic fibers, has been named general consultant in the engineering department, it has been announced by E. I. du Pont de Nemours & Co., Wilmington, Del.

Hercules Powder Names Cellulose Products Manager

Floyd L. Boddicker, former manager of the Hercules-operated Sunflower Ordnance Works, has been appointed manager of cellulose products operations at the Hercules Powder Company, Hopewell, Va., plant. He succeeds Clark B. Kingery, who has been appointed assistant director of personnel for the company. Mr. Boddicker joined Hercules in 1927 as a chemist.

D. L. Hooker has been appointed vice-chairman of the Manufacturing committee of the Socony-Vacuum Oil Company, New York. George S. Dunham, manager of the refinery engineering department, will represent the midwest refineries on the committee.

Trade Briefs

Arcade Paint Supply, Bronx, New York, has filed a certificate of voluntary dissolution at Albany.

John M. Martin has been appointed manager of the Pittsburgh, Pa., explosives office of Hercules Powder Company, Wilmington, Del.

Frankel Chemical Corporation, New York, has been formed as chemists, druggists, drysalters. Attorney for the corporation is Aaron Z. Kassin, 225 Broadway, New York.

Elberta Chemical Company, Elberta, New York, has been formed by John S. O'Connell, Buffalo; Raymond W. Conklin and Francis J. Maloney. The company is capitalized at $50,000.

P. & S. Sanitation, Inc., New York, has been formed to deal in insecticides, electro-spray machines. Attorney for the corporation is George I. Swetlow, 142 Joralemon street, Brooklyn, N. Y.

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Essential Oils, Other Aromatics

Demand for essential oils and aromatics continued brisk last week. Seasonal influences failed to temper buyer interest to any appreciable degree. Many consumers, ordinarily buying close to their requirements for year-end inventory purposes, were making commitments whenever they could obtain supplies. Production of foodstuffs, confectionery and beverages was affected to some extent by the continued sugar rationing, and oils going into flavors were indirectly influenced. The production of aromatics continued to show improvement, despite the lack of skilled labor and difficulty in obtaining all types of machinery.

The small shipments of bois de rose from Brazil were absorbed by manufacturing industries. The end of December and January should find the market better supplied. Spasmodic shipments of Ceylon citronella have not been adequate to meet consumers' needs in the absence of any Java citronella. Much the same situation prevailed in lemongrass, despite recent arrivals from India and Brazil. Failure of eucalyptus replacements to arrive from Australia kept the market in a very tight position. Domestic lemon and orange oils remained in limited supply. Very little sandalwood oil was available on spot. Bourbon vetiver was scarce, but supplies of South American and Haitian were available.

The tight supply situation has not eased a great deal in anethol, coumarin, heliotropin, vanillin, ambrette and ketone musk, and sellers were not able to cut into the backlog of orders nor accept any new business. A slight improvement continued to prevail in phenylethyl alcohol.

Market Trends

Prices Advanced

Caraway, 50c. per lb.
Celery, 50c. per lb.
Dillseed, 50c. per lb.
Palmarosa, 25c. per lb.
Petitgrain, 5c. per lb.
Pimento berry, 65c. per lb.
Rosemary, 10c. per lb.

Prices Reduced

Coriander, $2.50 per lb.
Dillweed, 25c. per lb.
Ginger, dist., 50c. per lb.
Lime, dist., Mex., 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

222.4	222.4	220.8	204.7

For Current Prices see page 9.

Essential Oils

Anise—Spot offerings were confined to small quantities of Russian rectified at $4 per pound. Arrivals from China were not expected for another month, and sellers' ideas based on replacement costs were $5.50 per pound.

Bay—Moderate quantities of West Indian were available at prices ranging from $1.45 to $1.65 per pound for the 50-55 percent, while the 55-60 percent was offered at $1.75 per pound.

Bergamot—In a few weeks shipments from Italy will arrive under the supervision of the Foreign Economic Administration. Quantities will be allocated to former importers based on commitments in previous years. Spot quotations ranged from $8.75 to $9 per pound

Bois de Rose—The small shipments arriving from Brazil apparently were well absorbed by consuming industries, and offerings on spot were negligible. Additional shipments were expected to reach here the end of next month or in January, and will reflect the higher replacement costs.

Cananga—Despite the lack of any substantial replacements from primary sources in some time, there were some spot offerings made at $8 to $10 per pound.

Caraway—Prices for the Dutch material were higher at $9 to $11 per pound. Supplies were sufficient to take care of consumers' requirements.

Cassia—Arrivals from the Far East were awaited. In the interim the market was devoid of any spot material.

Cedarwood—It was more difficult to locate spot offerings with most sellers withdrawing from the market. Price was firm at $1 per pound.

Celery—Prices advanced slightly at $16.50 to $18 per pound. Consumers made routine commitments, and offerings were adequate to take care of their requirements.

Cinnamon Bark—A wide range prevailed in the prices anywhere from $32.50 to $45 per pound, depending on the seller and quality of the material offered. Supplies were satisfactory.

Citronella—Business continued on a restricted basis as offerings of Ceylon were limited. Shipments from Java were contingent on the political developments. Prices ruled firm.

Clove—Demand kept pace with available supplies, and the market displayed a firm tone. Prices ranged from $1.65 to $1.85 per pound.

Coriander—While stocks were not large, some grades were offered as low as $25 per pound and ranged as high as $35 per pound.

Dillseed—Offerings continued scarce and the small quantities were higher in price at $7 per pound.

Dillweed—Quotations ranged from $4.25 to $5 per pound. Buyers exerted only routine interest.

Eucalyptus—A limited amount of spot material was available, but sellers confined offerings to regular consumers for nearby requirements. Replacements from Australia continued uncertain.

Geranium—A small supply of Bourbon geranium was obtainable on spot, and price held at $17 per pound.

Ginger—An easier price tone continued to prevail for distilled ginger, and quotations were lower at $12 per pound. Supplies were entirely adequate to take care of the demand.

Guaiacwood — Recent shipments from South America appeared to have been well absorbed. Quotations held at levels established previously.

Juniper Tar—A limited supply prevailed in the market, and prices remained firm. Buying was routine.

Lavender—Offerings continued on a restricted scale, and quotation for the various esters ranged at previously established levels.

Lemon—Domestic grades continued in short supply, and some sellers remained out of the market. Two drums of Brazilian material reached here last week.

Lemongrass—Arrivals from primary centers were not keeping pace with the demand, and a tight situation continued in the market. Prices ranged from $2.35 to $2.65 per pound. A total of 129 drums arrived from India last week.

Lime—The distilled Mexican lime was lower at $6.25 per pound, while the West Indian held at $7 per pound. The expressed was scarce and quotations were from $13.50 to $15 per pound.

Orange—Offerings of California continued limited because of the smaller crop available for distillation purposes. Also, labor difficulties. Prices for Brazilian orange held at $1.35 to $1.60 per pound.

Palmarosa—Prices were higher at $5.75 to $6.25 per pound. Spot offerings were limited. A shipment of 14 parcels arrived from Bombay, India, last week.

Petitgrain—Quotations were higher at $2.30 to $2.35 per pound. The rise in world prices for petitgrain oil from 7 centimos in 1944 to 9.5 centimos in 1945 resulted in an intensified processing of this product. Despite the frosts of last June, production was expected to approximate 250 tons, a figure comparable with output in 1944.

Pimento Berry—Only limited quantities were obtainable, and quotations ranged higher at $6.85 to $8 per pound. Prices for leaf unchanged.

Rose—A few scattered lots were available on spot with prices ranging from $48 to $55 per ounce.

Rosemary—Quotations for the U.S.P. advanced to the basis of $1.45 per pound. Spot stocks were adequate.

Sandalwood—The situation failed to improve as far as the spot position of the market was concerned. Most sellers were unable to make any offerings. A total of 17 cases arrived from India last week.

Spearmint—Supplies were adequate to cope with all demands. Prices held at the ceiling level of $4 per pound.

Thyme—Some spot offerings of red

For Late Market Developments, See Page 4

at $2.60 to $2.75 per pound, while the white ranged from $3.05 to $3.25 per pound. Supplies were not too plentiful.

Vetiver—Only limited supplies of Bourbon were obtainable, while offerings of South American and Haitian oil were available at $25 to $30, respectively.

Wormseed—Quotations held at ceiling levels, only moderate demand was evident.

Wormwood—There were practically no offerings. Farmers' selling price on the new crop distillation continued high, while ceiling price remained unaltered.

Aromatic Chemicals

Anethol—Sellers were unable to accept all inquiries reaching the market as supplies were limited. Prices ruled firm.

Benzyl Compounds—A gradual improvement was evident for most compounds, and manufacturers were booking for December, January and February shipment.

Coumarin—Only a limited amount of material was available, and shipments were restricted to regular consuming trade. Prices firm.

Diphenyl Oxide—Market position satisfactory, and shipments were moving at a steady pace. Prices unchanged and firm.

Heliotropine—While supplies eased somewhat, the quantities available were not sufficient to take care of all inquiries.

Musk—The position of ambrette and ketone remained tight, while situation in xylol appeared better than previously. Prices held the same.

Phenylethyl Alcohol — Shipments were on an allocated basis, but production continued to display improvement. Prices were firm.

Vanillin—A very tight situation was still evident, and shipments were on a limited basis. Prices were without change.

M. St. Alphonse Honored By W.J. Bush Associates

Montgomery St. Alphonse, vice-president, secretary-treasurer and director of W. J. Bush & Co. (Canada), Ltd., was recently tendered a dinner by the staff of the Bush organization on the occasion of his twenty-fifth anniversary as head of the company. Mr. St. Alphonse originally joined the parent company, W. J. Bush & Co., Ltd., London, in 1902.

American Mineral Spirits Names District Manager

J. Gilbert Rietheimer has been appointed district manager for American Mineral Spirits Company, New York. Mr. Rietheimer will be in charge of sales in the Southeast. He will make his headquarters in Atlanta, Ga. Mr. Rietheimer was with the company for several years prior to his enlistment in the Coast Guard in May, 1941.

Central America as Source Of Essential Oils Discussed

Givaudan-Delawanna, Inc., essential oils and aromatic chemicals, New York, in the November issue of the 'Givaudanian,' contains feature articles on "Central America as a Source of Essential Oils," as well as discussion by Eric C. Kunz on "The French Middle Class Demonstrates Its Power."

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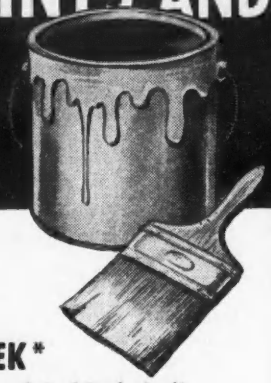

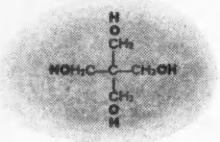

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PENTEK is used in alkyd resins, drying oils, synthetic resins, coating compositions, plasticizers, emulsifying agents.

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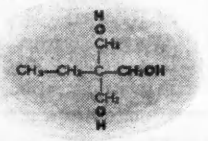

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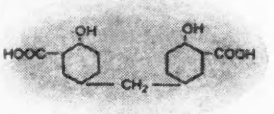
A crystalline, waxy solid used in making low viscosity drying and non-drying alkyd resins. These alkyds have shown application in textile printing pastes and impregnants. Also used in the manufacture of synthetic drying oils, rosin esters, coating compositions and plasticizers. In general T. M. P. esters show wider solvency and compatibility than corresponding compounds made with other polyhydric alcohols.



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Protective Coatings Materials

With many millions of dollars' worth of exterior and interior painting and decorating work awaiting them in building operations already begun and visible on the horizon of the ensuing decade, the protective coatings industry, although elated at this scintillating picture of stupendously great business and profits thus looming ahead of it, is restrained from manifestations of joy at this prospect by seemingly insurmountable obstacles, in the form of shortages of white pigments, rosins, drying oils and other essential raw materials, which continue to block its way to full participation in this peacetime prosperity program.

Thus, while the new building construction and old building maintenance painting and redecorating requirements in paint, varnish and lacquer products for the ensuing year alone are estimated as running to $1,500,000,000, it is considered doubtful if enough of these coatings can be produced to assure the marketing of much more than $625,000,000 worth, because of the unabated limitations on the quantities of their chief ingredients.

Immediately after the ending of World War II, it was expected that the gigantic cancellations and cutbacks in military orders would release enough of all the principal raw materials to enable handlers of these materials and manufacturers of finished coatings to compensate amply for their loss of these war orders with a huge upbuilding of civilian business. But the continuing restraints upon civilian use of metallic lead and the lead pigments and the inadequacy of plant capacities for the production of sufficient quantities of zinc and titanium pigments, together with the virtually unrelieved shortages in rosins, linseed oil, castor oil and fish oil, have kept the protective coatings industry from making much of this compensatory progress in their reconversion programs so far in the peacetime era while threatening to hold down their supplies of these and other vitally needed materials in the first quarter of next year to levels no greater than those available in the first three months of this year, when the exigencies of the war prevented a free flow of any paint ingredients into civilian coating channels.

Metallic Lead and Zinc

Despite a slow but steady increase in domestic production of metallic lead, there has been no inclination on the part of the government agency charged with arranging for as equitable a distribution of available supplies among military and civilian industries, to make any more liberal allotments to the pigment makers, as it has remained obvious that it will still be necessary for some time to come to draw upon the government pile in order to meet all the allowances already made to these interests as well as to the motor vehicle storage battery and collapsible tube manufacturers. For September, lead production from domestic mines in terms of recoverable metal, is reported to have reached 30,548 short tons, showing a gain of 173 tons over the August output, according to preliminary estimates of the Bureau of Mines. Prices of pig lead have continued unchanged for the week November 23-30, at 6.35c. per pound in St. Louis and 6.50c. in New York.

Although zinc ores and concentrates continue in fairly plentiful supply, the capacities of the refining plants are still inadequate for filling all requirements in slab zinc. Prices of zinc slabs have remained unaltered for the week November 23-30 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Titanium Dioxide—With the paint industry compelled to share supplies of this white pigment with rubber, paper and leather makers, the current output of TiO_2 and all its pigments is still falling considerably below the total requirements of all these consuming interests. In view of this situation CPA has imposed a thirty-day inventory limitation on all consumers.

White Lead—Buying interest in this pigment continues keen and manufacturers still find it impossible to satisfy all demands, because of the limitation on their allotments of pig lead to a maximum of 55 percent of their production in the first half of last year and lack of adequate supplies of linseed oil. In order to prevent "hogging of supplies by any individual interests, CPA has imposed a sixty-day supply limitation on all inventories.

Fillers and Extenders

Mica—The paint trade is still buying extensively of wetground scrap mica, especially of the finely powdered type, while also taking fairly sizable quantities of the dryground grades. CPA has imposed a specific limitation of forty-five days' supply on inventories of muscovite and phlogopite block mica and another of ninety days' on stocks of mica splittings, all of which are used for high-grade insulation in electrical appliances and radio receiving sets. These inventory limitations on these types of strategic mica have been resorted to so that, with little or no private supplies of them available. the Government-owned material may be distributed in direct relation to the needs of the users.

Dry and Chemical Colors

Cadmium Colors—Although the demand for the metal cadmium as a protective coating for iron and steel products, especially in automotive vehicle bearings, is running considerably in excess of current production, so that CPA has deemed it expedient to place a forty-five day inventory limitation on the receipts of this material in the form of the metal itself and also in the form of sticks, slabs and anodes, some of the erstwhile leading manufacturers of cadmium colors are still able to expand their production and offerings of lines of yellow and red cadmium lithopones.

Chrome Colors—Although buying of zinc chromate yellow for Navy and Merchant Marine requirements continues fairly extensive, the supply of this color pigment or toner available for civilian use has improved slightly within the past week. However, there is still not enough of it to meet all civilian demands. Chrome greens and yellows are still in limited supply but likely to grow larger when bichromates and other raw materials used in their production begin to flow more freely.

Driers and Flatteners

Naphthenates — With the recent steady flow of naphthenic acid in sufficient quantities to fill all needs of the manufacturers of these driers, the supply situation in the latter has come more nearly into balance with the demand. Extensive buying by paint and varnish makers continues to be reported.

Tallates—Buying interest in these driers is continuing to diminish, now that naphthenates are more readily available for all manner of consuming interests.

Stearates — The purchasing movement in these flattening agents continues to reach sizable proportions, so that virtually all cutbacks in war orders have been amply compensated for by a hugely increased volume of civilian business. Manufacturers with large plant capacities are still able to make prompt deliveries but those

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Alcohol, special solvent, 8c. per gal.
Alphapinene, ½c. per gal.
Gum turpentine, ½c. per gal.

Prices Reduced

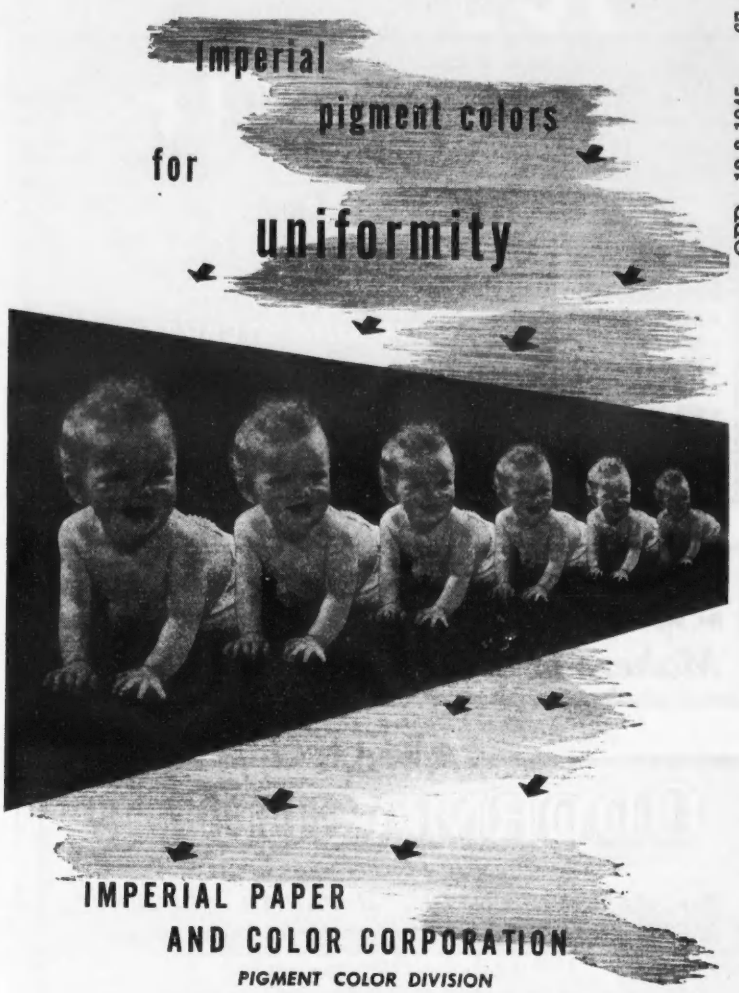
None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

For Current Prices see page 9.



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A-19

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with small capacities continue to lag behind in the filling of their orders.

Lacquer Materials

Butyl Acetate—November prices for this material have been continued in force for December by the leading manufacturers, who continue to quote on normal fermentation, of Illinois and Indiana production, 17.6 cents per pound in tankcars; 18.1 cents in tankwagons; 18.6 cents in drums for carload lots, and 19.1 cents for less than carlots.

Butyl Alcohol—Leading manufacturers have made no price revisions on normal fermentation, of Illinois and Indiana production, for the month of December, merely reiterating their November quotations of 18.3 cents per pound in tankcars; 18.8 cents in tankwagons; 19.3 cents in drums for carload lots, and 19.8 cents in less than carlots.

Special Denatured Alcohol Solvent—In sympathy with the sharp advance in the ethyl alcohol market, prices of special solvent, made of specially denatured alcohol, used chiefly in cutting white and orange shellacs, have been marked up 3 cents per gallon by manufacturers, making the revised quotations 56 cents per gallon in tankcars or tankwagons, 63 cents in drums for carload lots and 65 cents to 68 cents for less than carlots, according to quantity, with the inside figure representing the price on 19 to 71 drums and the outside figure, that on one to 18 drums.

Naval Stores

Rosin—Granting of additional export licenses on the WG and WW pale grades of gum rosin and FF grade of wood rosin by the Foreign Economic Administration, and the increasingly strong suggestion that the Civilian Production Administration may reduce domestic consuming quotas to an extent sufficient to offset the increase in the export quota authorized by FEA, have constituted the chief developments in the rosin markets of the South within the past week. The shortage in supplies of medium to ordinary grades of gum rosin amid the plethora of the pale grades, which seems bound to become even more pronounced now that cold weather is counted upon to lower the production for the remaining four months of the 1945-1946 season, has continued to characterize the rosin situation. The government-imposed restriction on inventories, which is holding down stocks in consumers' hands to five months based on their base period consumption, while designed to prevent procurement of excessively large stocks by any one or more of the biggest consumers, to the detriment of small individual users, has been found to be scarcely necessary, inasmuch as the largest consumers have already pretty well covered their requirements well ahead so that they are no longer urgent buyers and the available supplies are now so meager as to preclude any sizable purchases by any interests.

Relief from the current tightness of the supply position is seemingly assured with the advent of the new producing season, April 1, 1946, when the yield of gum rosin is expected to be hugely increased and the output of wood rosin will be amplified enormously by the coming into production of several new large-capacity plants. Supplies of rosin as of September 30, last, were 85,000 drums greater than those recorded at the outset of the 1945-1946 crop season, April 1, last, and it is now figured that visible supplies as of March 31, next, will be only 110,000 drums less than those shown on April 1, last.

Savannah, Nov. 30.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.00	$6.00	$6.00	$6.00	$6.00
D	6.07	6.07	6.07	6.07	6.07
E	6.60	6.60	6.60	6.60	6.60
F	6.70	6.70	6.70	6.70	6.70
G	6.74	6.74	6.74	6.74	6.74
H	6.76	6.76	6.76	6.76	6.76
I	6.76	6.76	6.76	6.76	6.76
K	6.80	6.80	6.80	6.80	6.80
M	6.82	6.82	6.82	6.82	6.82
N	6.98	6.98	6.98	6.98	6.98
WG	7.23	7.23	7.23	7.23	7.23
WW	7.50	7.50	7.50	7.50	7.50
X	7.50	7.50	7.50	7.50	7.50
	Drums				
Sales	...	...	188	...	79
Receipts	...	291	175	127	58
Shipments	...	200	...	...	284
Stocks	9,348	9,439	9,614	9,741	9,515

Turpentine—In recognition of the increasingly tight supply situation developing in gum turpentine, the Civilian Production Administration has imposed a five months' inventory limitation on consumers of this commodity by including it in order M-387 in the same category as rosin. On behalf of the consumers, producers and other suppliers have pointed out that they know of no instance wherein a consumer has accumulated a five months' supply of turpentine based on his consumption in the base period. But their protestations on this score have not influenced CPA to rescind or even modify its regulation along this line.

Meanwhile, sales of meager amounts continued to be made last week on the Savannah Naval Stores Exchange at 82 cents per gallon early in the week and later at an advance of a half cent, at 82½ cents while withdrawals from the CCC stocks have continued to be made to the extent that government supplies have been reduced to a level under 30,000 units, compared with 117,000 units at the outset of the 1945-1946 naval stores season, April 1, last. At the present rate of diminution, these supplies may soon become exhausted. The only points at which they are now stored are Helena, Jacksonville and Valdosta. Hence, in order to prevent a runaway market, OPA may deem it advisable to establish a price ceiling, perhaps at 85 cents for December and 90 cents for Janu-

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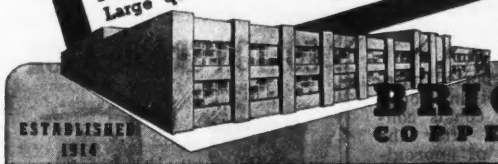

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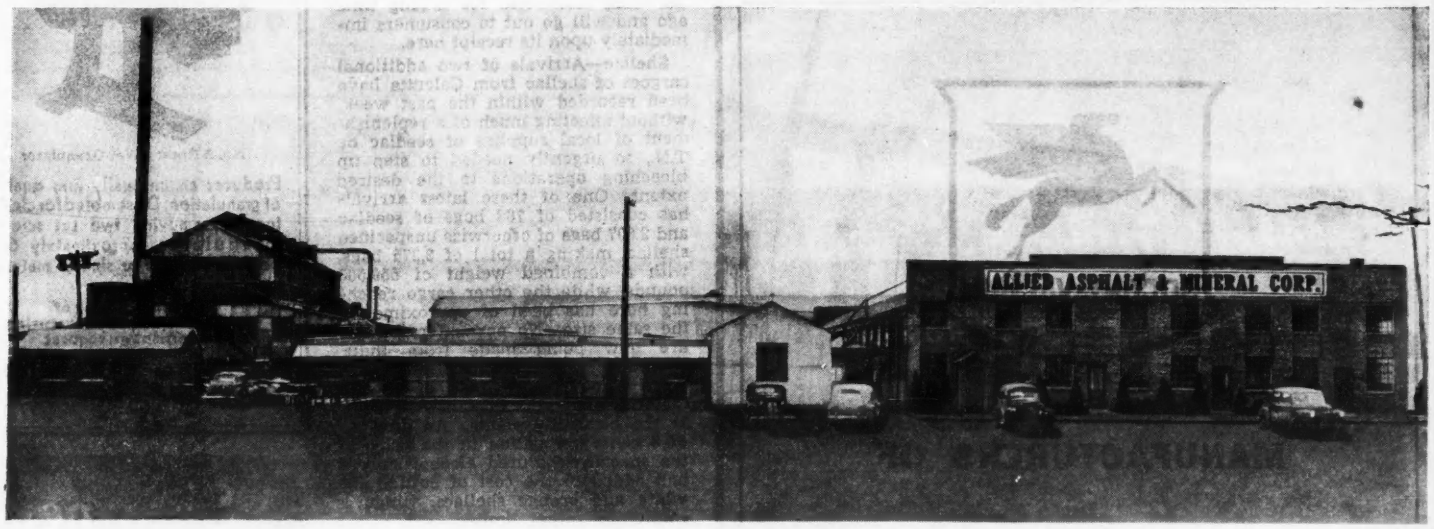

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ary. Meanwhile, it seems likely that the CCC parity for December will be marked up considerably, presumably to a level beyond 82 cents and possibly 85 cents.

The Department of Agriculture's Production and Marketing Administration reports having sold from surplus stocks 68 crates, each containing 16 one-gallon cans, and making an aggregate of 1,088 gallons of gum turpentine, located at Richmond, Va., at $1 per gallon.

Savannah, Nov. 30.—Following is a record of the market for the week:—

	Bulk gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Monday ..	82	1,200	...	5	5,209
Tuesday ..	82	...	51	...	5,200
Wednesday	82¼	800	96	135	5,221
Thursday..	82¼	...	25	129	5,117
Friday ...	82½	550	89	15	5,191

Synthetic Resins

Ester Gum—A spirited demand continues to be shown in both the gum rosin and wood rosin types, but supplies are still inadequate for meeting all requirements, as the output continues restricted by the unrelieved shortage in the rosins and the relatively high cost of glycerin.

Vinyl Resins—The call for these resins is running far in excess of the current supply. Bureau of Census and Department of Agriculture reports on shipments and consumption of these resins for August show 1,140,662 pounds taken up that month for sheeting and film, compared with 1,212,117 pounds for July, 1,813,385 pounds for textile and paper coating resins, reckoned according to their resin content, as contrasted with 2,041,133 pounds for July, and 1,334,129 pounds for all other purposes, also figured on resin content, against 1,669,263 pounds for July.

A list of synthetic resins and their current quotations appears in this issue of OPD, beginning on page 31.

Varnish Gums

Copal—The hitherto reported bareness of the local market in Congo copal and all the other copals continues unrelieved. Even after the arrival here of a cargo of approximately 416 tons of Congo copal, expected on or about December 9, stocks of this gum are expected to remain depleted, as virtually all of this cargo has been contracted for a long time ago and will go out to consumers immediately upon its receipt here.

Shellac—Arrivals of two additional cargoes of shellac from Calcutta have been recorded within the past week, without affecting much of a replenishment of local supplies of seedlac or T.N., so urgently needed to step up bleaching operations to the desired extent. One of these latest arrivals has consisted of 768 bags of seedlac and 2,607 bags of otherwise unspecified shellac, making a total of 3,375 bags, with a combined weight of 559,500 pounds, while the other cargo reaching here has been of approximately the same size. No new offers of size are now being made from India. Bleaching operations are still held down somewhat by lack of enough material and the inadequacy of labor at the bleaching plants. An advance of 3 cents per gallon in the price of the special denatured alcohol solvent had added to the cost of cutting the white and orange shellacs, which is continuing rather limited.

Exports of shellac from Calcutta to all consuming countries for the first eight months of this year, compared with those for the corresponding periods of 1944 and 1943, are shown below:—

	Packages		
	1945	1944	1943
Orange	111,710	168,682	56,279
Garnet	6,700	3,675	2,368
Button	7,345	13,079	1,278
Stick	50	.....	.....
Seed	36,430	44,736	4,111
Other kinds.....	314	.....	.....
Totals	162,549	230,172	64,036

Glues and Binders

Casein—A clamorous demand for casein is again noted, following a brief lull in large buying operations, at a time when stocks in the American markets are sadly depleted. In the resultant tension, sellers in Buenos Aires have become stiffer in their views as to prices demanded in that primary market for Argentine material and in some instances are holding out for figures which would bring prices for the duty-paid goods, delivered in New York, well above the OPA ceilings based on 24 cents per pound, which have to be applied to the Argentine as well as to the domestic casein. Only one cargo of any size has arrived here within the past fortnight and meanwhile domestic production continues at a low ebb, with producers endeavoring to induce OPA to raise the ceiling enough above 24 cents per pound to make their conversion of dried skim milk into casein sufficiently profitable to encourage them in swelling their output.

Glues—For the obvious purpose of helping to assure a more equitable distribution of the current short supplies of hide glue stock, by obviating

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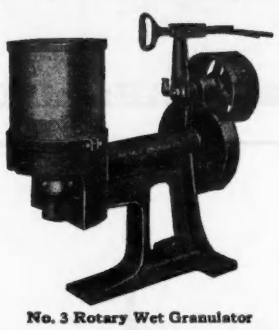

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Distillers of Coal Tar Products

all possibility of a monopolizing of these supplies by any large user to the detriment of smaller consumers, the Civilian Production Administration has imposed a forty-five-day inventory limitation on hide glues.

Packaging Meeting

—Continued from page 3

He said that preliminary conversations with representatives of the federal government, as well as several foreign governments, indicated that not only American but many United Nation firms will be represented.

Henry L. Wallace, Secretary of Commerce, in a letter to Mr. Lynch, congratulated the institute for its service and research efforts.

In his annual report to the institute's 300 member firms President Lynch announced that machinery had been set in motion to collaborate with British Printing and Allied Trades Research Council on projected packaging studies of mutual interest to the packaging industries of the United States and the United Kingdom.

Walter Wilcox, of S. D. Warren Company, said that, although the packaging industry as a whole will be confronted with many problems over the next two years, including delays in obtaining new machinery, tightness of raw materials and a scarcity of labor, there are several favorable factors.

J. D. Malcolmson, technical director of Robert Gair Company, Inc., said the cellophane-lined folding carton was still the principal packaging method and "apparently will continue to be so in the foreseeable future."

Prospects for a pick-up in deliveries of new automatic or semi-automatic packaging machinery next year appear remote, it was developed at a forum of the principal machinery manufacturers. At present the equipment industry can produce about twice as much as prior to the war, but even this expanded rate will not materially ease the situation for at least a year.

Paint Pigments Freight Rate Hearing December 5

A public hearing for shippers of paint pigments to express their views on proposals by eastern railroads to publish alternative, lower rates on higher carload minimum rates, will be held in the Union League Club, 65 West Jackson boulevard, Chicago, December 4 and 5.

The alternative minimum proposed for paint pigments is 70,000 pounds (standard minimum 40,000 pounds) and the discount accruing for the heavier loading, 10 percent. The higher carload minimum weight (70,000 pounds) and 10 percent lower rates are proposed to alternate with existing carload rates and minima on domestic movements within official (Eastern) territory although concurrences of roads in other jurisdictions will be sough.

The program contemplates that in addition to such alteration, the higher minima and reduced rates will not be subject to rule 24 of the Consolidated Freight Classification, or the provisions of sections 2 and 6 of rule 34 will apply only on movements loaded in standard box, open-top and refrigerator cars as described in CFC. Movements will be entitled to no more than one stop-off in transit to complete loadings, or for partial unloading. Persons desiring to be heard in favor of, or opposition to these proposals are requested to advise E. H. Burgess, chairman, Traffic Executive Association, Eastern Territory, 143 Liberty street, New York 6, N. Y., indicating the commodity on which they desire to be heard, and the approximate time required for their presentation.

N.Y. Paint Club Christmas Party

The New York Paint, Varnish & Lacquer Association will hold its annual Christmas party in the Waldorf-Astoria Hotel, December 6.

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METHYL CELLOSOLVE STEARATE
METHYL CELLOSOLVE STEARATE is a synthetic ester and is used as a plasticizer for cellulose derivatives and for resins. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	64° to 70°F
Flash point	378°F
Acidity	less than 1.0 mg. KOH per gram ester

★
BUTYL STEARATE
BUTYL STEARATE is a synthetic ester and is used as a plasticizer in cellulose and polyvinyl derivatives, also for cosmetics and for paper coating. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	64° to 70°F
Flash point	358°F
Acidity	less than 1.0 mg. KOH per gram ester
Saponication number,	171-179 mg. KOH per gram ester

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Paint Production Clubs News

Reservations are swelling for the Christmas party of the New York Paint and Varnish Production Club, to be held in the Building Trades Building, 2 Park avenue, December 13. Hitherto the production club held its Christmas party jointly with the New York Paint, Varnish and Lacquer Association, which is scheduled for December 6, in the Waldorf-Astoria hotel.

Los Angeles

The November meeting of the Los Angeles Paint & Varnish Club was attended by 42 members and guests. Mr. Buller, of the Shell Chemical Company, addressed the meeting on ketones.

Northwestern

The November meeting of the Northwestern Paint & Varnish Production Club was featured by an inspection of the new laboratory of the Archer - Daniels - Midland Company. The December meeting will be held in the St. Paul Hotel, December 7.

Medical Care Guide Revised by SSB

OPD Washington Bureau

A new, third edition of its list, "Prepayment Medical Care Organizations," has just been issued by the Bureau of Research and Statistics of the Social Security Board. It brings the listings up to the early part of 1945, and comprises descriptions (name, address, type, area, services, fees) of 235 organizations in the United States and sixteen in Canada. Data on almost 5,000,000 persons eligible for the services also are given.

The new edition contains 148 pages. It is procurable from the Superintendent of Documents, Washington 25, D. C., at 25 cents a copy. The catalog designation is Bureau Memorandum No. 55.

Medical Care Plans Favored by Public

Approximately 64 percent of the American public favors prepaid medical care plans and 77 percent believe that something should be done to relieve the strain of medical expenses, Dr. Claude Robinson, president of the Opinion Research Corporation, Princeton, N. J., reported last week at a conference of the National Physician Committee for the extension of medical service in the Waldorf-Astoria hotel last week.

Paint Credit Group Elects Fuchs President

Paint and Allied Industries Group of the New York Credit Men's Association has elected to the presidency Arthur Fuchs, of the National Lead Company. Other officers elected were:—First vice-president, Theodore H. Kleine, of the Hilo Varnish Corporation; second vice-president, Graham H. Rothweiler, of the Murphy Finishes Corporation, and treasurer, William Rohs, of the Colonial Works, Inc.

Penicillin Restored

—Continued from page 5

or through the United Nations Relief and Rehabilitation Administration. In addition, it is being exported to India, South Africa, Egypt, North Africa, Eire, Portugal, Spain, Sweden, Switzerland, Turkey, British West Africa, British East Africa, and China. Only Great Britain, Canada and Australia now produce enough penicillin to meet their own requirements. Canada and Australia have limited quantities for export.

The OITO has requested information concerning the present stock position and future essential requirements in countries dependent on supplies from the United States. The OITO points out, in Current Export Bulletin 296, that export license applications for penicillin and penicillin products shall be submitted as follows:—

1. Applications must be submitted prior to the fifth of each month, since expert allocations for penicillin and penicillin products are made on a monthly basis. 2. Total quantity must be shown in terms of Oxford units. 3. Each application submitted by an exporter who is not a producer of penicillin must be accompanied either by a copy of a definite commitment from a supplier agreeing to furnish the specific amount of the drug if an export license is issued, or by a statement setting forth all pertinent information as to the efforts made to secure a supplier, if the applicant has been unable to obtain a commitment.

Applications for the month of December, 1945, may be submitted at any time prior to December 10.

Van Cleve Heads Paint Charities Drive

B. M. Van Cleve, general manager of the pigment chemical and color division of the Sherwin-Williams Company, Cleveland, has accepted the chairmanship of the paint and varnish division for the National Service Fund of the Disabled American Veterans, according to Charles Shipman Payson, the fund chairman.

SUCO
Ultramarine Blue
Alkali Blue Toner
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Methyl Violet Toners
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Iron Blues
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Oils, Fats, and Waxes

An unsatisfied demand for oils and fats continued to feature the market during the week. Buyers were bidding at ceilings for all positions, while the scarcity of supplies resulted in limited and spasmodic trading. Light sales were noted in new crude cottonseed, corn, peanut and soybean oils, while refiners bids were accepted only for immediate and prompt shipment and producers with the exception of soybean oil refused to book business for deferred delivery. Inquiry for fish oils continued keen and owing to larger hauls of menhaden off North Carolina, producers accepted contracts for a sizable quantity of crude oil at ceilings if and when made. Consumers were seeking to purchase linseed and tung oils without success, as crushers were out of the market.

Prospects of linseed crushers obtaining approximately 15,000,000 bushels of Argentine seed were considered good by the Department of Agriculture as the current crop approached harvesting. Private estimates place production as high as 57,000,000 bushels. The official Argentine crop estimate was scheduled during the week.

Limitations on the use of or on inventories of fats and oils were not contemplated, it was reported by the Department of Agriculture. Contrary to general belief, that the end of rationing of shortening and other oil products would be followed by Government restricting the quantity of these ingredients used commercially, department officials stated, no such regulations were planned. The policy will be to wait and see how the trade handles distribution problems without Government restrictions.

WFO 42 was amended to restrict manufacturers of shortening, lard, salad and cooking oils to approximately the same package sizes distribution used during the rationing period, effective January 1, 1946, it was announced by the Department of Agriculture. The control of this distribution will serve to maintain the same proportionate delivery among institutional, household and industrial users, the department explained.

Cottonseed Oil

An urgent demand for crude oil met with little response from crushers. Refiners were bidding at ceilings for all positions, but sellers confined sales to immediate and 30-day deliveries, and refused to accept business for futures.

Shipments of 8,972,965 pounds of oleomargarin were made in September and 59,502,525 pounds, January 1 through September this year, by the Department of Agriculture. Purchases amounted to 2,936,376 pounds during September.

Bleachable oil prices follow:—

	—Cents per pound in tanks— High.	Low.	Close.
December	....	....	14.31 nom.
March	....	....	14.31 nom.
May	....	....	14.10 bid
July	....	....	14.00 bid
September	....	....	13.55 bid
October	....	....	13.55 bid

Total sales, none.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12¾c.; Texas, 12½c., f.o.b. works (all ceiling prices).

Linseed Oil

Prospects of linseed crushers obtaining approximately 15,000,000 bushels of flaxseed from the Argentine were considered good, according to the Department of Agriculture. The statement was received with a great deal of interest by the trade late in the week. The Argentine crop was approaching harvesting in a condition that indicated a good yield. Private estimates were as high as 57,000,000 bushels and allowing some 10,000,000 bushels for domestic needs and for seed, there would be available for export about 47,000,000 bushels, the Department stated. The Argentine final crop estimate was scheduled during the week.

Owing to the scarcity of oil, crushers confined activities to making deliveries against former contracts and turned down new business. Demand continued urgent. The inability of obtaining raw oil increased the call for replacement oil.

Los Angeles, Nov. 28.—Little oil was being offered for sale this week. Production has been off, and deliveries poor. Oil was quoted at 14.5c. per pound in tankcars.

Flaxseed—Crushers continued to bid at ceilings for all positions. Offerings were scarce. Seed receipts smaller in the Northwest.

Flaxseed in Minneapolis during the week was unchanged at $3.10 (ceiling) per bushel for spot and for forward deliveries.

Buenos Aires, Nov. 30.—Flaxseed shipments were limited to 24,000 bushels to other destinations during the week. Visible supply of seed was estimated at 1,378,000 bushels. Seed was quoted at $1.66 per bushel, f.o.b. steamer.

Hull, Nov. 30.—Bombay, £37¼, December-February; Calcutta, £34¾, December-February; La Plata not quoted.

Other Vegetable Oils

Castor Dehydrated — Scarcity of supplies continued to restrict business. Production was sold up and makers were unable to satisfy the demand.

Corn — Production was limited and delivered against former contracts. Inquiry was active and prices strong.

Oiticica—Arrivals totaled some 1,200 drums at New York and were consigned against prior contracts. Business was reported dull, but prices were unchanged and firm. Offerings from Brazil were scanty with producers asking for bids for new crop oil.

Olive—No charge noted in this market. Supplies on the spot were nil and offerings were still awaited from domestic and foreign sources.

Soybean — Light trading reported, with occasional sales of crude for future shipment at ceilings. Inquiry was active. Bulk of production reported sold up to next September.

Tung—Consumers were seeking domestic oil, crushers were not offering, as the production was sold up to next March-April. Buyers were bidding at ceilings.

Los Angeles, Nov. 28.—Light offerings of all vegetable oils limited trading this week. Demand continues good. Sellers are taking some orders on what they are capable of delivering. Prices were firm at ceilings.

Chicago, Nov. 28.—Business in vegetable oils quiet. Market was firm and supplies scarce.

Fats and Greases

Greases — Although the increased receipts of hogs boosted the production of grease, an urgent demand absorbed available supplies at ceilings. Small consumers were obtaining more material than heretofore.

Lard — Scarcity of supplies continued to limit business to small lots. Inquiry was keen. Shipments of lard totaled 16,345,059 pounds during September and 347,266,416 pounds from January 1 through September, 1945, according to the Department of Agriculture. No shipments of rendered pork fat were made in September, but 5,073,356 pounds were exported during the first seven months of 1945. Shipments to the Caribbean stockpile were 1,232,590 pounds and 3,036,076 pounds were allocated to UNRRA during the month of September. Purchases of lard and rendered pork fat amounted to 5,494,400 pounds during the same month.

Tallow — Offerings were more liberal and were readily taken at ceilings. Production maintained its recent gains, but demand continued in excess of supplies.

Animal Oils

Degras — Demand was moderate, but with supplies light, the market

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193. 3	193.3	192.4

For Current Prices see page 9.

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OLEIC ACID
(Red Oil)
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FATTY ACIDS
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and
Vegetable
RUFATS
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Fatty Acids)
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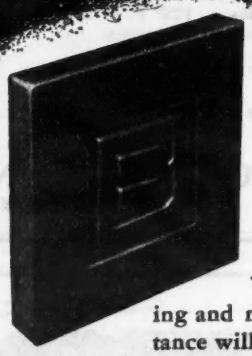

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continued firm at current levels. Inquiry for export was active. Arrivals were reported at 300 drums at New York from Liverpool during the week.

Grease Oil—Inquiry was keen, with trading limited owing to scarcity of supplies. Production was reported sold up. Prices were firm.

Neatsfoot Oil—While domestic users absorbed small lots, a keen demand for export was noted and business for shipment was fairly active. Prices were unchanged and well held for small quantities.

Oleo — Available stocks continued scarce as production was sold well ahead. Prices were nominal at ceilings.

Fish Oils

Menhaden—Fishing was good off North Carolina early in the week, but stormy weather later curtailed operations. As the result of recent good hauls, producers booked some business at the ceiling, if and when made. Refiners were in the market for additional commitments. Supplies of refined oil were limited and offerings continued scarce.

Baltimore, Nov. 28. — Reports from North Carolina stated that large hauls of menhaden were netted the first part of the last week, but weather turned unfavorable, and catches diminished. There was no information about further sales of oil. Indications, however, were that the fleet would keep up its work, with the outlook favorable. In fact, the closing period of the season has turned out quite good. Market was firm at the ceiling.

Sardine—Refiners were bidding at the ceiling for crude. With production sold up and fishing less than last season, producers displayed little selling interest. Refined oil also was in good demand, with supplies scanty.

Los Angeles, Nov. 28.—The full moon period and stormy weather restricted fishing last week. Market was tight with limited trading due to short supplies. California Sardine Products Institute reported 291,425 tons landed to November 17, against 385,492 tons November 18, last year.

Fatty Acids

Red Oil—Inquiry was active, but trading was limited owing to sold-up production. Prices were firm at ceilings.

Stearic Acid—Scarcity of supplies continued to curtail business. Demand was keen. Quotations were maintained at ceilings.

Chicago, Nov. 28.—Buying of fatty acids was moderate with prices firm at ceilings.

Cake and Meal

Cottonseed Meal—Despite the fact that crushers are operating close to capacity, there is little likelihood they will be able to supply the demand. While there has been a slight decrease in the call for poultry feeds, the demand for dairy feeds is expanding and will more than offset any reduction for other formula feeds during the next few months.

Linseed Meal—Buyers continued to bid at ceilings for all positions. Business was restricted as offerings were scanty.

Peanut Meal—Production of peanut meal during September and October was indicated at 8,700 tons, compared with 8,600 tons last year, according to the Department of Agriculture. Stocks on hand October 31 were 1,500 tons compared with 2,765 tons last year. No sales of peanut meal were reported last week, because prior contract commitments and local demand seems to be taking care of present output.

Waxes

Owing to the tighter supply situation in vegetable waxes, a 90-day inventory limitation has been placed on these products, it was announced by the Civilian Production Administration, November 24.

Beeswax — Trading was reported spotty for shipment. Offerings were liberal from Africa and other sources, but buying interest was lacking. Arrivals totaled 858 bags during the week and were delivered against former orders.

Carnauba — Imports totaled 2,050 bags during the week and were delivered against prior contracts. An urgent demand was noted for spot stocks, but no resale material was available. Consuming inquiry continued keen and a good volume of business was placed for shipment from Brazil. Most offerings were for future delivery. No. 3 North country was quoted at $1.15 per pound, and No. 1 yellow at $1.35 per pound, f.o.b. Brazil for February-March shipment. Prices were unsettled and covered a wide range, depending upon seller and position.

Ouricury—Keen demand also featured this wax. Offerings were scanty and trading limited. Nearby and forward shipments were generally quoted at 80c. per pound, f.o.b. Brazil. Arrivals totaled 170 bags, and consigned on prior orders.

Economic Poisons

—Continued from page 3

individual under customary conditions of purchase and use; and (g) if in the case of an insecticide or fungicide it shall be injurious to living man or other veterbrate animals, or vegetation to which it is applied, or to the person applying such economic poison when used as directed or in accordance with commonly recognized practice.

An adulterated economic poison would be an economic poison whose strength or purity falls below the professed standard or quality as expressed on its labeling or under which it is sold, or if any valuable constituent of the article has been wholly or in part abstracted; and, in the case of a rodenticide, if its strength is less than the minimum standard set by regulation promulgated by the secretary.

Registration Required

The bill provides for the registration of every individual economic poison which is manufactured, sold, or offered for sale in the United States or its territorial possessions, or which is received from any foreign country. Such registrations would have to be made each year.

Every registrant would have to file with the secretary a statement of (1) his name and address; (2) the name of the economic poison; (3) a complete copy of the labeling accompanying the economic poison and a statement of all claims to be made for it, including the directions for use; and, (4) in case the effectiveness of the economic poison for the intended use is not generally recognized, or if requested by the secretary, a statement describing fully the tests made and the results thereof upon which the claims are based. The secretary might in his discretion also require the submission of the complete formula of the economic poison.

If the composition of the article is such as to warrant the proposed claims for it and if the article and its labeling and other material required to be submitted meet the requirements of the act, it is to be registered. If it does not appear to the secretary that the article and other material meets the requirements of the act, he will notify the registrant and give him an opportunity to correct it. Should the registrant insist that the corrections are not necessary, the secretary shall register the article under protest and notify the registrant in writing of the apparent failure of the article to comply with the law. A fee of $5 would be charged for the first five individual economic poisons registered each year, and $1 for each additional economic poison registered in the same year.

Registration would not be required in the case of an economic poison shipped as a concentrate from one plant to another plant operated by the same person and used solely at such plant for mixing with a diluent or carrier.

Provision is contained in the bill requiring any manufacturer, distributor, carrier, dealer, or other person who sells or offers for sale, or delivery, or who receives or holds any economic poison or device to make his books and records available for inspection upon request.

Enforcement by Seizure

Enforcement of the law would be much the same procedure that is now followed in the case of foods and drugs. Seizures would be made of misbranded and adulterated economic poisons found in interstate commerce and proceedings brought in the courts to enjoin their further distribution or manufacture.

Persons found guilty of failing to register an economic poison or offering an economic poison for sale differing in composition, claims, or directions for use from the representations furnished at the time of registration would be fined a maximum of $1,000 and imprisoned for one year. Other violations of the act would be subject to a fine of $500 for the first offense

and $1,000 for each subsequent offense, plus a year's imprisonment. An offense committed more than five years after the last previous conviction would be considered a first offense.

Provision is also contained in the legislation for the secretary to issue rules and regulations, and (1) to declare a pest, any form of plant or animal life or virus which is injurious to plants, man, or domestic animal; (2) to determine substances which are highly toxic to man when contained in economic poisons; (3) to determine standards for coloring or discoloring for economic poisons, and (4) to prescribe minimum standards of strength and methods for testing the efficacy of rodenticides.

Distinctive Colors Proposed

The bill requires that any economic poison when shipped must be labeled to show the name and address of the manufacturer, registrant, or person for whom manufactured; the name, brand, or trademark under which the article is sold, and the net weight or measure of the content. In the case of any economic poison which contains any substance determined to be highly toxic to man, the label must bear, in addition to the above, the skull and crossbones; the word, "poison," prominently (in red) on a background of distinctly contrasting color; and the name of an antidote.

Specific direction is contained in the bill for the distinct coloring under regulations of the secretary of the following products:—Standard lead arsenate, basic lead arsenate, calcium arsenate, magnesium arsenate, zinc arsenate, zinc arsenite, sodium fluoride, sodium fluosilicate, and barium fluosilicate. The bill adds that the secretary may by regulation subject any white powder economic poison to the provisions of this coloring section after investigation of and public hearing on the necessity of such action for the protection of the public health.

Paint Supply Affected by Raw Material Shortages

About the same volume of paint will be available for civilian purposes in the first quarter of 1946 as was produced in the first quarter of 1945, according to materials specialists who addressed a meeting of the trade sales committee of the New York Paint, Varnish and Lacquer Association at the Hotel Pennsylvania November 27. This holds true despite military cutbacks, it was pointed out, because of pigment and oil shortages attributable to manpower lack, inadequate plant facilities and actual scarcities of essential ingredients. Ralph H. Everett, of the M. J. Merkin Paint Company, chairman of the committee, presided.

Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, who came from Washington especially for the session, outlined the vast sales potentials for the industry when materials, manpower and production facilities were stepped up, and urged participation in the national cooperative advertising campaign.

Speaking on drying oils, D. J. Healy, Spencer Kellogg & Sons, foresaw a probable shortage of 200,000,000 pounds of linseed oil for all of 1946 unless Argentine imports could be greatly increased; he said demand for linseed was further increased by lack in other oils. R. H. Pohl, of E. I. du Pont de Nemours & Co., explained that plant capacity was the great bottleneck in titanium and zinc pigments. J. C. G. McNair, of the National Lead Company, reviewing the lead situation, thought that the first quarter in 1946 might well bring a slightly larger supply of pigments and white lead, but declared that this increase would in no sense be adequate for all needs, because other shortages have stepped up demand for white lead.

Harrold Joins Detroit Testing Laboratory as Hygienist

Gordon C. Harrold, formerly chief industrial hygienist for the Chrysler Corporation, has been appointed consultant on industrial hygiene to the Detroit Testing Laboratory, 554 Bagley avenue, Detroit 26, Michigan.

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1 Sprout Waldron No. 1½ Rotary Cutter arranged for belt drive... 841
1 Buffalo 36" Bean Chopper.....6900
1 Hercules Bone and Ice Chopper. 467/R2

Colloid Mills, Homogenizers, Viscolizers

1 Eppenbach Horizontal No. 1; 3" rotor; 1½ H.P.....8541
1 Charlotte No. 7; 6" rotor; 7½ H.P. motor.....8195
1 Manton Gaulin Homogenizer; 60 GPH; 3 H.P.....508/W1
1 U.S. Colloid Mill No. 1 Horizontal; 3" white metal rotor and stator motorized 5 H.P. A.C. 1140 RPM.....S 107
1 Union Steam Pump Co. No. 450 Viscolizer with 10 H.P. A.C. Motor 707/A5

Compressors

1 Viliter Ammonia Compressor, 3½"x3½", arr. for motor drive.980/B8
3 Brunswick Kroeschell CO2 Compressors with motor.....8330

Condensers, Heat Exchangers

1 Westinghouse C.I., Surface Condenser; brass tubes 1000 sq. ft..9113
2 Alberger C.I. Condensers; 1520 sq. ft.....910682
1 Devine C.I. Surface Condenser; 148 sq. ft.....8566
1 Devine Cast Iron Surface Condenser with Receiver; Type 40-SY 906
1 Devine Vertical Heat Exchanger with 82 sq. ft. steel tube surface.9549
2 Deckebach Copper Refrigerator Condensers each having 58 turns of 1" coil on 7" diameter with center tube 5"x109" long.....8808

Crystallizers

1 Buffalo and Devine 6' Crystallizer, open type.....9726/C
1 Jacketed Horizontal Crystalliser, 6'x13' 9725/D
1 Buffalo all bronze Crystalliser; 3'x3'; Jacketed.....8336

Digesters

1 Rotary Jacketed Steel Digester, 6'x13' 9726/D
1 Bartlett Snow Steel Digester; 6'x18' 8675
4 Cost Steel Digesters; 54"x9'; Jacketed Agitated.....8675/C
3 Steel Digesters; 5'x13'9"; hinged, bolted covers..... 106

Dryers, Coolers, Kilns

1 Gehnrich Gas Fired Truck Type Dryer; 36"x68"x82".....930D/14
1 Devine Rotary Vac. Dryer; 3'x25' 9127/S8
1 Devine Rotary Vac. Dryer; 5'x30' 8422
1 Buffalo Vac. Drum Dryer; 24"x20' 9776/N2
3 Mosser Rotary Kilns; 7'6"x60'..8579
1 Gehnrich Festoon Type Dryer; 56"x9'7"x20'6" 8671
1 Buffalo Jktd. & Agt. Vac. Pan Dryer; closed type, 6' dia..... 675
1 Buffalo and Devine 6' Pan Dryer; open type; 6' dia.....9725/C

Evaporators

2 Swenson 6' Cast Iron Evaporators with jet condensers.....9882
1 Zahn Evaporator or Deckebolizer, 15" dia. x 12' high; 5 H.P. motor..... 487
1 Aluminum Jacketed Vacuum Evaporater; 40"x58".....9908/H3
1 Copper Jacketed Vacuum Evaporator; 30"x50".....9908/H2
1 Pfaudler Glass Lined Jacketed Evaporating Dish; 28"x10".....9794
1 Pfaudler 300 Gal. Glass Lined, Jacketed and Agitated Open Top Evaporator; 5'x2'..... 760
1 Stokes Copper Vacuum Evaporator; 5' dia. x 5': complete..... 357

Continued—Last Column Opposite Page

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Long established and successful New York distributor with large warehouse on railroad siding, whose adequate selling organization intimately contacts manufacturers of paints, varnishes, lacquers, printing inks, etc., is now open to exclusively represent, in the New York, Pennsylvania and New England markets, a producer of alkyd and other synthetic resins. Now representing nationally known, non-conflicting kindred lines. References exchanged. OPD 492.

What have you that can be sold to the paint, varnish and lacquer manufacturers by established salesman with highest references. New York metropolitan area. Send samples and information, and we'll test its possibilities for you. Johnston Chemical Co., Manufacturers Agents, 865 First avenue, New York 17, N. Y.

AGENCIES WANTED

Long established importing company, carrying large stocks here of dry earth colors, minerals and clays, wants representation in St. Louis, Detroit, Atlanta and other large cities. Write, Chas. B. Chrystal Co., Inc., 53 Park place, New York 7, N. Y.

We are exporters of crude Indian botanical drugs. Liquorice Solid Extract and Myrobalans Solid Extract our speciality. Please contact for sample and prices. Drugs of India (Farmers) Ltd., 116/1/1, Harrison road, Calcutta, India.

CONTAINERS OFFERED

We buy and sell at any point new and used tight and slack barrels, steel drums and pails. Also cooperage supplies. Send us your inquiries. Buckeye Cooperage Co., 3801 Orange avenue, Cleveland 15, Ohio.

EQUIPMENT OFFERED

New two-way automatic conveyors for powder filling machines. Make manually operated machines fully automatic. Will operate Stokes & Smith, J. H. Day and other filling machines. Fully guaranteed. Approximately 30-day delivery. Write for full information. Gusler Products Company, 2917-23 West 6th, Amarillo, Texas.

MATERIALS OFFERED

For Sale—19,000 pounds calcium phenol sulfonate (Dow). 8,000 pounds copper arsenite (Mallinckrodt). All products are in first-class condition, offered subject to prior sale. Inquire Bonewitz Chemicals, Inc., Burlington, Iowa.

Camphor tablets made to order. All sizes from 1/16 oz. to 1 oz. each. Fast deliveries. Acme Chemical Co., Inc., 410 East 32nd street, New York 16, N. Y. MU. 3-7472.

"Did you hear how Jones sold his IDLE EQUIPMENT?"

He Sent a list to "CONSOLIDATED" and it went fast — buyers were waiting!

HELP SPEED PRODUCTION!

CREATE JOBS — SEND LIST TODAY TO

"CONSOLIDATED"

Special Items from Stock!

1—WORLD AUTOMATIC ROTARY LABELER, M.D.
1—1000 GAL. LEAD-LINED CLOSED TANK, LEAD COILS.
1—ALL COPPER 5' DIA. VACUUM PAN WITH CONDENSER AND VAC. PUMP.
1—500 GAL. JACK. AGIT. AUTOCLAVE, STEEL, HAMMER WELDED CONSTRUCTION 200 LB. JACK. PRESS, 550 LB. INTERNAL PRESS.
1—KOMAREK-GREAVES BRIQUETTE PRESS, WITH 2—32"x24" FACE, ROLLS FOR EGG-SHAPED BRIQUETTES, RATED 25 TONS PER HOUR.
1—2500 LB. HORIZONTAL STEEL DRY POWDER MIXER, SPIRAL AGITATOR.

5—DRY POWDER MIXERS, various sizes. To 3000 lbs.
12—OLIVER FILTERS, 4'x6', 6'x6'; wood and iron; 8'x8', 8'x12'.

DRYERS

5—B. & C. 28" Dia. x 60" face Atmospheric Double Drum Dryers, complete.
1—Devine Vacuum shelf Dryer, 8 shelves 40" x 42", complete with Stokes H.V. pump, condenser.
5—Atmospheric TRUCK DRYERS—each has 4 trucks, each truck holds 40 trays, 1,280 sq. ft. tray surface per dryer. Equipped with trays, heating coils, fans, etc.
1—32"x72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYER, m.d.
1—Devine 3'x9' Bronze Double Drum ROTARY VACUUM DRYER, complete with all auxiliaries.
1—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZER or VACUUM PAN DRYER.
2—70"x30" RUGGLES COLES DIRECT HEAT ROTARY DRYERS, Type A-9.
9—Direct heat ROTARY DRYERS, 4'x30', 5'x30', 70"x30", 6'x60'.
2—ROTARY KILNS, 6'x60'.
1—5'x12' Vacuum DRUM DRYER, Buffalo Foundry, complete with accessories.
10—ROTARY VACUUM DRYERS: 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 30"x12'.
1—ATMOSPHERIC DRUM DRYER, 4'x12'.
1—Buffalo 36"x72" Atmos. DOUBLE DRUM DRYER, complete.

1—YORK 49 ton AIR CONDITIONING UNIT with 60 HP motor.

5—W. & P. MIXERS, 150 gal. cap., jack., double sigma blades for direct m.d.

8—HEAT EXCHANGERS, 50 to 1600 sq. ft. heating surfaces; 5 copper, 2 steel tubes.
8—RUBBER LINED Rectangular Tanks; 7—500-gal.; 1—150 gal.
23—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.
1—Pneumatic Scale Co. Auto. tight WRAPPER.

MILLS AND PULVERIZERS

6—PEBBLE MILLS, 1—6'x5' Burrstone Lined; 1—32"x42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.
2—24"x24", Jeffrey single ROLL CRUSHERS.
6—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 3, No. 2, No. 0000.
3—Hardinge BALL MILLS, 4'6"x16", 5'x22", also 6'x12' Rod Mill.
2—8'x30" Hardinge Conical Silex Lined PEBBLE MILLS, also 6'x36".
1—5'x13' PEBBLE or TUBE MILL, with open trunions.
1—500 gal. 5'x6' BALL MILL.
3—ROLLER MILLS, 12x30, 16x40 water cooled.
1—Size "B" Erie City COAL PULVERIZER, with 40 P 3/60/220-440 V. Motor. Rated 2000 lbs. per hour.
1—U. S. COLLOID MILL, 6" Stainless Steel Rotor, 5 HP AC Motor.

1—36" dia. Cast Iron COLUMN, 23" high.
2—Batteries of two each TYLER HUMMER SCREENS, 4'x5', single deck, other sizes.
1—Devine duplex VACUUM PUMP, 16x16x12.

2—4-Roll RAYMOND HIGH SIDE MILLS, equipped for vacuum air separation—one with latest "whizzer" separator, one with double cone vacuum separator. Each including exhauster, cyclone collector and inter-connecting piping.

1—Pneumatic Scale Automatic PACKAGING UNIT, complete with liner.

LIQUIDATION

Machinery and Equipment of small PAINT PLANT—Roller Mills, Stone Mills, Paste Mixers, Change Can Mixers, etc. Send for details.

3—STOKES steam heated WATER STILLS, 5, 10, 100-gal. per hour.
1—Abbe Blutergess SIFTER No. 1.
6—Dopp C.I. Jacketed KETTLES, 25 gal. to 100 gal.; 30—steel, cast iron, jack. up to 2000 gal.
1—Shriver Iron FILTER PRESS, 42"x42", 30 chambers.
3—50 gal. copper steam jacketed VACUUM PANS. Other sizes up to 750 gal.
2—200 gal. GLASS LINED jack. KETTLES.
1—Riehle friction grease TESTING MACHINE, cap. 10,000 P.S.I.
1—400 gal. horiz. rubber lined MIXER.
3—Beach-Russ No. 10 ROTARY VACUUM PUMPS with V-belt drive m.d.
1—Pneumatic Scale straight line BOTTLE CLEANER.
3—150 gal. aluminum TANKS, cone bottom.
1—Stokes No. 21 GRANULATING MIXER 50 lb. belt driven.
2—Jones Automatic CARTONERS.
2—Anderson PACKAGING UNITS.
1—Stokes Rotary DDS TABLET MACHINE. 23 punch, maximum 1¼"; 1—Stokes 0 single punch, up to ¾"; 2—Stokes N single punch ½".
1—U.S. Bottlers, 22-spout Rotary Vac. BOTTLE FILLER, m.d.
3—Sharples No. 6 CLARIFIERS and SEPARATORS m.d.
4—DeLaval CLARIFIERS and SEPARATORS, m.d.
1—Portable REVOLVATOR 1000 lb., 11' over-all height, m.d.
1—McClellan Dry Powder Tumbling MIXER, 1500 lbs.
1—J. H. Day Size 10 Jack. Imperial MIXER, 30 gal.
9—Copper & ALUMINUM steam jack KETTLES, 50 to 500 gal. Some with agitator.
1—Bucket Elevator, steel enclosed—78', c. c. including smaller elevators, screw conveyors, etc.
2—No. 0 Raymond Beater type pulverizers, each equipped with air classifier, exhauster, cyclone collector, tubular dust collector and interconnecting piping.

WANTED—YOUR IDLE MACHINES
Help create these JOBS. Send your list NOW to "CONSOLIDATED"

THE KEY TO SAVING TIME AND MONEY

FOR OVER A QUARTER CENTURY A SYMBOL OF CONFIDENCE

CONSOLIDATED PRODUCTS COMPANY, INC.

WE BUY FROM SINGLE ITEMS TO COMPLETE PLANTS "Every Machine in Your Plant is a Used Machine"

13-18 PARK ROW, NEW YORK 7, N. Y.—TEL. BArclay 7-0600

Shops: 335 Doremus Avenue, Newark, N. J. Cable Address: Equipment, N. Y.

LIQUIDATION

Includes Rotary Dryers, 4′ x 20′, 6′ x 60′; Steam Tube Dryers 6′ x 27′; 40 Agitator Headers for Tanks 10 to 20′ dia.; 5 Roll Raymond Mill; 16″ x 180′ Belt Conveyor; FEINC Rotary Filter 5′ x 4′; Scott Quadruple Effect Evaporator, 10,000 sq. ft.; 800 HP of Motors, 10 to 150 HP, 3/60/440 volt; Horizontal Digesters 6′ x 12′; Pumps,; Bins; etc. Complete Bulletin on Request!

STOCK ITEMS!

.2—Zaremba All-Copper Evaporators, 500 sq. ft. each effect.
1—No. 10 Sweetland Filter, with 54 leaves on 2″ centers.
1—No. 2 Sweetland Filter.
3—Shriver 36″ x 36″ Filter Presses, closed delivery, Rubber and Bakelite Plates.
1—Sperry 24″ x 24″ Filter Press, closed delivery, 15 Rubber-Covered Plates and Frames.
1—American 6′ 2 Disc Rotary Continuous Filter.
6—Oliver 8′ x 6′ Rotary Hopper Dewaters. NEW.
1—Oliver Robison 6′ x 4′ Top Feed Ni-Resist Filter.
2—Oliver Filters, 3′ x 1′, 5′ x 8′.
2—Vacuum Shelf Dryers—Buflovak 12—60″ x 80″ shelves, Devine 13—59″ x 78″ shelves.
4—Stokes Rotary Vacuum Dryers, 1′6″ x 3′0″, 4′ x 10′, 3′ x 12′, 5′ x 33′.
2—Horizontal Stainless Steel Tanks, 3,000 gals.
6—Roller Mills—Kent 4 Roll, 13″ x 32″ High Speed; Ross 3 Roll, 12″ x 30″, 16″ x 40″.
2—Stokes Tablet Machines, 2 Rotary BB; 1 "F".
2—Rotex Sifters, 20″ x 80″ Triple Deck; 20″ x 48″ Single Deck.
3—Tyler Hummer Screens, 3′ x 5′, 4′ x 5′, and Ro-Top.
3—Hardinge Ball Mills, 4½′ x 24″, 4½′ x 10″, 2′ x 8″.
7—Abbe Pebble Mills, 50, 75, 175, 200, 325 gal.
2—Promulsion Mills, Stainless Steel, 3 HP.
5—Copper Vacuum Pans, 30″, 42″, 48″, 5′ and 6′ dia.
4—Pfaudler Jktd. Agtd. Kettles 125, 200, 400 gal.
1—125 gal. Alum. Jktd. Kettle.
10—Copper Jktd. Kettles, 25 to 150 gal.
3—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.
2—80 and 125 gal. Dopp Jacketed, Agitated Kettles.
1—Copper Varnish Kettle, 175 gal.
2—1,750 gal. Lead Lined Closed Tanks.
1—Lancaster 30″ dia. Batch Mixer.
3—Powder Mixers, 100 to 800 lb.
2—Day Imperial Double Arm Mixers, 30 and 50 gal.
4—W. & P. Mixers, 9, 20, 100 gal.
1—Howes 24″ x 12′ Powder Mixer.
12—Lead Mixers, 80, 100 gal.
1—Williams No. 1 Hammer Mill.
2—Kent 20″ Tandem Stone Mills.
1—Filler Machine Co. 6 Spout Filler.
1—Kiefer No. 3 Visco Filler.
5—World, Ermold, National Labelers.
1—60 gal. CAST SEMI-STEEL Autoclave, agitated. 3″ wall.
6—Shriver, Sperry' Filter Presses, 36″, 32″, 30″, 24″. 18″.
5—Shriver Wood Filter Press Skeletons, 24″ to 42″.
3—Sharples No. 6 Presurtite, De Laval No. 600 & 700 Clarifiers.
2—Tolhurst 32″, 40″ Suspended type, Bottom Discharge Centrifugals, solid baskets.
5—Tolhurst 32″, 40″, 48″ Self-Balancing Type Centrifugals.
3—Buflovak Vacuum Drum Dryers, 48″ x 40″, 5′ x 6′.
3—Atmos. Drum Dryers, 4′ x 9′, 5′ x 7′, 5′ x 6′.
6—Copper and Steel Vacuum Pans, 50 to 750 gal.
2—Swenson Continuous Crystallizers, 24″ x 30′.
1—Devine 10″ x 10″ Two Stage Vacuum Pump.
3—Condensers, 50 to 200 sq. ft.

SPECIAL OFFERINGS!

1,800 ft. of Lamson & Matthews Heavy Duty Roller Conveyor, 22″ to 26″
10—12″ Belt Conveyors, 20 to 50′ centers, built to specifications
800 HP of Motors, 10 to 150 HP, Westinghouse, 3/60/440 volt, 440 to 860 RPM.
4—Rotary Kilns, 8′ x 100′, 9′ x 70′, 9′ x 65′, 6′ x 60′.
1—Hersey Rotary Dryer, 5′ x 30′.

Partial List only. Your inquiries solicited. Send us your lists of surplus equipment.

BRILL
Equipment Co.

225 WEST 34th STREET
NEW YORK 1, N. Y.
BRyant 9-2040
Warehouse—2401 3rd Ave., Bronx, N. Y.

MATERIALS OFFERED

Bleached shellac f o pure tn shellac. United Shellac Corporation, Importers & Bleachers, 108 Blanchard street, Newark 5, N. J.

For immediate shipment forty-three barrels sodium sulphite (anhydrous) 375 pounds each, photographic grade (Merck & Co., Inc.). Reasonable offer accepted. Please confine correspondence to this offer. The Lewis Company, Chemicals since 1909, 232 Canal street, New York 13, N. Y. CAn. 6-7573-4-5.

MATERIALS WANTED

Will purchase your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. OPD 490.

To Manufacturers and Jobbers—Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentally. OPD 495.

FOR SALE

Stainless Steel Tanks—new—100 and 200 gal. dished bottoms with stands.
Steam-Jacketed Kettle 9′ dia. 5′ deep with agitator (new).
Copper tank with agitator and coil 66″ dia. x 7′ high.
Steam-Jacketed Aluminum Kettles, 60 gal. capacity, with stand and draw-off cock.
High Pressure Steel Tanks.
Copper Evaporator with Stokes Condenser.
Shriver Filter 24″, open del., 25-plates, cast iron.
Patterson Pebble Mill, 24″ x 36″, lined.
Oram Barrel Hoop Driver.
Sterilizers or Pressure Cookers (new), 18″ x 18″ on steel legs with gasoline burner, clamp down cover, safety valves and gauge—$75.00 each.
Electric Immersion Heaters, 115 V. 500 Watt (new), $15.00 each.
Stainless Steel Pumps (new) with General Electric Explosion - proof Motors.
Steam and Electric Vacuum Pumps and Air Compressors.

H. LOEB & SON

4643 LANCASTER AVENUE **PHILADELPHIA 31, PA.**

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WET GRINDING PLANT

1—Chrystie 80″x45′ Rot. Dryer.
1—Oliver 8′x10′ Rot. Vac. Filter.
1—Hardinge 6′x48″ Conical Mill.
1—Tube Mill, 5′x15′.
2—Dorr 15′ Bowl Classifiers.
1—Sturtevant 36″ Rock Emery Mill.

SEND FOR BULLETIN L 25

2—Batteries (9 & 11) Tolhurst 40″ Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.
1—No. 6 Sharples 2 H.P. Centrifuge.
25—New Stainless Steel Tanks, 100 to 1,000 gals.
1—150 gal Copper Jack. Kettle.
800-ft. Ball Bearing Roller Conveyor, 12″ & 15″ wide, 10-ft. lengths.
12—Filter Presses, Iron, Wood and Rubber 18″ to 42″ sq.
1—P. & S. 12 Truck Atmos. Dryer.
3—Tolhurst 26″ & 40″ Centrifugals.
5—0000 and No. 0 Raymond Mills.
2—Bonnot 27″ dia. Iron Filter Presses.
12—Vertical, jacketed, agitated kettles & Autoclaves up to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, agit. jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel Tanks, Nettco Drives.
1—Cherry - Burrel Homogenizer.
2—Blystone 2,000 lb. jacketed, horiz. Paddle Type Steel Mixers.
6—Horizontal Mixers, 20 to 100 gals., Single & Double Arm.
1—Faust 150 gal. jack. Spiral Mixer.
1—Howe Barrel & Bag Packer.
2—4,000 gal. vert. Acid Proof Tanks.
3—Devine Horiz Vac. Pumps, 8″x6″x4″x6″.
2—Wall Vac. Pumps. 4″x2½″.
1—Devine No. 37X, Vert. Condenser.
1—Oliver 14″x8″ Duplex Vac. Pump.
1—Penn. Vac. Pump, 14″x5″.
1—National Acme Model C20, stainless steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 301.
6—Attrition Mills & Disc Grinders up to 22″.
1—Ross 2 Roll Granite Stone Mill, 8″x12″.
1—Ross 16″x40″, 3 Roll Mill.
3—Double Stand Steel 4, Roller Mills, 7″x18″ to 7½″x30″.
10—Iron Mills, 12″, 14″ & 18″.
8—Stone Mills, 8″ to 32″.
6—Lead & Paste Mixers, 50 & 60 gals.
3—Copper Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neil 20″ Pulverizer.
2—Double Roll Crushers.
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

Write for Complete Bulletins
We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY

Department E
426 BROOME ST., NEW YORK 13, N. Y.
CANAL 6-8147

LIQUIDATING

4—Sharples STAINLESS STEEL No. 16V Super Centrifuges with 2 HP AC Explosion Proof Motors and Starters. Units barely two years old.

SPECIALS

1—Oliver 3′ x 1′ Rotary Filter.
3—Cast Steel Fully Jacketed Kettles 1500 gals. with Agitators.
1—Autoclave C.I. 60 gals. with Ag.
1—Gruendler Hammer Mill with 30 HP A.C. Motor.
1—Buffalo 6′ Jack. Vac. Crystallizer.
1—Buffalo 3′ Jack. Open Crystallizer.
1—Ross 4 Pass Continuous Belt Dryer, 68′ long.
1—Fletcher 12″ M.D. Extractor.
1—Kiefer Visco Filler 2-32 oz. Cap.
1—B&B Hyd. Press 200 ton Cap., 13″ Ram.
1—Day 200 gal. Jack. Mixer M.D.

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SEND US YOUR LISTS

MACHINERY & EQUIPMENT CORPORATION (of N.Y.)

533 West Broadway **New York 12, N.Y.**
GRamercy 5-6680

UNION Rebuilt Machinery Established 1922

Special Offerings for Immediate Delivery!

W. & P., Day Cincinnatus and Imperial Type Mixers; Hottman Paragon, Read, Single and Double Arm from 2 gallons to 300 gallons.
Elgin 24 spout Rotary Vacuum Filling Machine.
Gayco 8 ft. Air Separator.
Schutz O'Neill, Jay Bee, Williams, Gruendler, etc., Pulverizers.
J. H. Day and Kent, Three Roll, 1″″ x 30″, 16″ x 40″ Mills, motor driven with motor.
Mullers or Chasers 2 ft. to 6 ft. sizes.
Ermold and World Semi-Automatic Labeling Machines.
U. S. Bottlers C-10 and A-6 Acme Fillers.
Copper Steam Jacketed Kettles with and without Agitators.
Read, and Century Vertical Mixers, M.D.
Johnson and Oliver Sweetland Filter Presses.
Copper Stills and Vacuum Pans.
Huhn Rotary Continuous Dryers.
Schutz O'Neill Rotex, and Allis-Chalmers Lowhead Sifters.
Package Machinery Co., Johnson, Miller, all types of Wrapping, Packaging and Cartoning Equipment. (Please submit Samples of your Item with Your Inquiry.)

ALL OFFERINGS SUBJECT TO PRIOR SALE. WRITE OR WIRE COLLECT FOR DETAILS AND PRICES. SEND FOR LATEST CIRCULAR!

Union Standard Equipment Co.

318-322 Lafayette Street
New York 12, N. Y.

FMC *Liquidating*

ENTIRE STOCK

CHEMICAL-PROCESS EQUIPMENT

PRICES CUT DRASTICALLY TO MOVE THIS HUGE STOCK IMMEDIATELY INTO PLANTS SO WE WON'T HAVE TO MOVE IT

WRITE WIRE OR PHONE for QUOTATIONS on Selections From Stock

Continued from First Column Opposite Page

Extractors (Centrifugals)
1 American Monel Basket 28″ Centrifugal Extractor, underdriven. 930/B16
1 Sharples Centrifugal Clarifier; Type BLPIC.....6522
1 Tolhurst 36″ Solid Basket Extractor, underdriven..... 224
1 Oakley & Keating 24″ lead lined curb with copper tinned basket. 180
1 Stainless Lab. Extractor, 7¼″ basket motorized with ½ H.P. D.C. S109
1 American Machine 30″ overhead driven Extractor.....8721
1 Heine Viersen 36″ rubber lined, center slung.....7717
1 Tolhurst 26″ copper basket; self balancing 9731

Fillers
2 Auger Type Fillers; 1 semi-automatic; 1 fully automatic with conveyor; Stokes and Smith; American Bond Scale.....Stock
1 Howes Mogul Auger Type Packer.7190
1 Filler Machine Co. 4 Piston Filler 9004
5 New FMC Rotary Syphon Fillers RS 100-105
1 Louisville Spout Straight Line Gravity Filler.....9376
1 Haller 18 Spout Rotary Gravity Filler 5279
3 Karl Kiefer Visco Fillers, Gear or Piston type.....Stock
1 U. S. Spout Straight Line Syphon Filler..... 661
1 Kiefer 6 Spout Gravity Filler.... 344
1 FMC Hand Pack Filler for No. 1½ Cans..... 312

Filters and Filter Presses
1 Kelly Pressure Filter No. 250; 4″ spacing; 250 sq. ft.....9763
1 Kelly Pressure Filter No. 450; 5″ spacing; 450 sq. ft.....6380
1 Albright Neill Round 12″ Press; 24 leaves.....9891/B3
1 Sperry 42″ Cast Iron 57 chamber Filter Press.....7587
1 Rotary Vacuum Filter made by Industrial; 6′x3′, with accessories 964
2 Shriver 24″ Skeleton Presses; center feed, closed delivery..... 270
1 Kiefer Moncell Filter for many purposes 715
1 Alsop Aluminum Disc Filter, 6 Disc; 12″ dia.....550/C3

Kettles
1 Fredericking Cast Iron 1500 gal.; 8′x4′; Jacketed Agitated.....9326
3 Vert. 1000 gal. Jktd. Agit. Cast Iron Kettles; Manhole Type....8675
4 Copper Steam Jacketed Kettles 100 gal.....Stock
1 Pfaudler Glass Lined Agitated Jacketed 200 gal.....9666
6 Steel Jacketed and Agitated 1000 gal. Kettles; 5′x8′.....698/H1
10 Steel Jacketed and Agitated 100 gal. Kettles; 34″x34″.....698/H18
1 Steel Jacketed and Agitated Kettle, manhole type; 450 gal. 48″x6′ 663

Mixers
1 W. & P. Lab. Size 2 gal. Unjktd. Mixer; double Z arms; 15″x8″x-11″ 933
1 W. & P. 250 Gal. Double Fish Tail Blades; Unjacketed.....9090
2 J. H. Day 175 Gal. Jktd. Mixers; cross paddle type.....9137
3 Hobart, Reid, Century 3 and 4 speed 80 qt. Mixers.....Stock
7 Dough Mixers, Jacketed and Unjacketed; 1 to 4 BBL.....Stock

Still
1 3000 Gal. Glass-Lined Sectional Still with Jacketed Cone Bottom. 9725/F2

MILLS AND GRINDERS

1 Bauer Double Runner 30″ Attrition Mill; pulley drive 8203
1 Mikro Pulverizer No. 4 with 75 H.P. and screw feed 8889
1 Raymond No. 00 Mill with 35 H.P. motor.....97/F106
1 Williams Type NF 20 Hammer Mill.....9083

Send For Complete List

FIRST MACHINERY CORP.

EAST 9th STREET AND EAST RIVER DRIVE
NEW YORK 9, N.Y. **GR. 7-4300**

Business Wants

MATERIALS OFFERED

Sale of surplus Chemical Warfare Service termination inventory—sealed bids will be received from date this notice until 12 noon on the 31st day of December, 1945, for the sale of any part or all of the items listed: Zinc, Brass Special, 50-lb. slabs, 53,052 lbs.; Aluminum, 99.9% plus pure, 3 lbs., 6 notch ingot, 14,692 lbs.; Aluminum Alloy, Alcoa No. 2400 pig, 95% aluminum, 5% manganese, 50-lb. pigs, 78,563 lbs.; Flux and Agents for Magnesium Alloying and Pouring, the Dow Chemical Co. No. 230, 450-lb. drums, 90,900 lbs.; the Dow Chemical Co. No. 260, 400-lb. drums, 1 part drum, 106,307 lbs.; the Dow Chemical Co. No. 310, 300-lb. drums, 43,800 lbs.; the Dow Chemical Co. agent 181, 375-lb. drums, 1 part drum, 2,041 lbs.; Sulphur, 16 mesh screen, 50-lb. bags and 425-lb. drum, 14,975 lbs. Material available for sale is located at plant site Dow Magnesium Corporation, Velasco, Texas, and may be inspected between the hours of 8 a.m. and 4 p.m., Mondays through Fridays until closing time on bids. Further information and bid forms may be obtained from Purchasing Department, Dow Magnesium Corporation, Velasco, Texas. Write—Wire—Phone.

POSITIONS VACANT

Agents for bleached shellac. Several territories open. United Shellac Corp., 108 Blanchard street, Newark 5, N. J.

CRYSTALLIZERS

5—Stainless Clad Crystallizers, jacketed, size 4′ wide x 24′ long x 2′ 6″ deep.

•

EMSCO EQUIPMENT COMPANY

EMIL A. SCHROTH, Owner

43 HYATT AVE., NEWARK 5, N.J.

Phone Mitchell 2-3536

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20 Years of Service to

Manufacturers and Consumers Having Excess Stocks of

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BARCLAY CHEMICAL COMPANY

75 VARICK ST., NEW YORK 13, N.Y.

WOrth 4-5120

POSITIONS VACANT

Wanted: Chemist for medium-sized growing plant near Boston, must have experience in formulation of industrial lacquers and alkyd enamels. Give full particulars in first letter. OPD 447.

We need a chemical engineer who has had considerable experience in soaps, vegetable oils, and fats, to take charge of production and development. Salary in proportion to accomplishment and ability. OPD 443.

Lacquer Chemist for medium-sized Eastern plant. We are expanding our staff and have an opportunity for an assistant to chief chemist to take charge of factory operations and production control. OPD 474.

Chemist with a few years' experience in the formulation of industrial lacquers. Location near Newark, N. J. Full details are desired in first letter; our personnel are aware of this ad. OPD 479.

Chemist or superintendent experienced in actual production of synthetic iron oxides. Responsible firm offers exceptional proposition with established sales outlet. Utilization primary, by-products involved. Reply in detail. Negotiations confidential. OPD 484.

Wanted—Chemist, preferably Ph.D. or M.S., experienced in the development and formulation of dry powder type water paints and accessory products. Splendid opportunity with substantial, aggressive manufacturer. Mid-west location. State qualifications, salary expected and send recent photo. All replies strictly confidential. OPD 493.

Salesman-trainee—25-35 years. Chemical background two (2) years. College, salary, metropolitan area. Excellent and permanent opportunity for alert man. Reply by mail only. The Enequist Chemical Co., Inc., 255 Freeman street, Brooklyn 22, N. Y.

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1—K. Klefer Cinatti Vacuum 6-spout.
2—Standard Knapp compression belts 6′ and 10′.
3—Burt Knapp can labelers—No. 2 and 10.
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Young chemist, 27, B.S., veteran, two years on soap, fats and oils, synthetic detergents, Twitchellizing, full-boiling, crutching, spray-cooling, sulphonation, formulation, analytic control, development, supervision, seeks high-grade connection. Will relocate. OPD 486.

Factory manager, experienced (15 years) over-all supervision of production, purchase-inventory control, personnel, etc., in coating-ink field, is desirous of effecting position (January 1st) along purchasing control lines; college graduate, A-1 background, excellent references. OPD 487.

Plant chemist, B.S., 10 years' diversified experience manufacture fine chemicals. Knowledge equipment; handle men, control, perpetual inventory. Capable complete charge small plant or process. Available early 1946. OPD 488.

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Wanted . . . practical working process for manufacturing azobenzene. OPD 494.

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806 cs, 40,300 lbs, Electricooker Sales Co
300 cs, 15,000 lbs, Pandalion Bros
400 cs, 20,000 lbs, Aristerat Nut Co
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7,379 bgs, 1,106,850 lbs, Spencer Kellogg & Sons
CELERY SEED—258 bgs, 33,540 lbs, Kachurin Drug Co
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750 bls, H Casademont
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DILLSEED—300 bgs, 39,000 lbs, W Russel Howe
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ERGOTINE—2 cs, Volkart Bros
FLEASEED HUSK—207 bgs, S B Penick & Co
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HAIR, CATTLE TAIL—43 bls, Hair & Fiber Supply Co
GOAT—17 cs, Robert Schwarz Bristle Co
HORSE—40 cs, Robert Schwarz Bristle Co
96 cs, Bank of London & South America
57 cs, M D Nelson & Co
HORSE TAIL—30 cs, N Wagman Co
30 cs, Samuel Zeitlins Sons
5 cs, E B & A C Whiting Co
HONEY—77 bbls, Continental Bank & Trust Co
181 bbls, Steinhardter & Nordlinger
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JALAP ROOT—7 bgs
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1 cs, W J Bush & Co
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9 dms
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